

GenCore version 5.1.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 13, 2004, 16:35:00 ; Search time 39.5 Seconds  
(without alignments)  
2972.819 Million cell updates/sec

Title: US-09-674-035B-4  
Perfect score: 2245  
Sequence: 1 MYRDPVVRARKVCEPWVI.....PGVTRVTALRDWITSKGI 422

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1145568 seqs, 278261457 residues

Total number of hits satisfying chosen parameters: 1145568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:  
1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubpaa/ECT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/2/pubpaa/ECTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/2/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/2/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2245	99.4	422	14	US-10-032-189-64
2	2245	99.4	422	14	US-10-332-122-3
3	2245	99.4	423	10	US-09-796-753-146
4	2245	99.4	423	10	US-09-946-374-269
5	2245	99.4	423	12	US-10-206-915-320
6	2245	99.4	423	12	US-10-199-670-320
7	2245	99.4	423	12	US-10-201-858-320
8	2245	99.4	423	12	US-10-205-890-320
9	2245	99.4	423	12	US-10-208-024-320
10	2245	99.4	423	12	US-10-201-853-320
11	2245	99.4	423	12	US-10-063-745-106
12	2245	99.4	423	12	US-10-063-512-106
13	2245	99.4	423	12	US-10-063-513-106
14	2245	99.4	423	12	US-10-063-515-106
15	2245	99.4	423	12	US-10-063-549-106

16 2245 99.4 423 12 US-10-063-569-106  
17 2245 99.4 423 12 US-10-063-551-106  
18 2245 99.4 423 12 US-10-174-581-320  
19 2245 99.4 423 12 US-10-176-483-320  
20 2245 99.4 423 12 US-10-176-749-320  
21 2245 99.4 423 12 US-10-176-914-320  
22 2245 99.4 423 12 US-10-176-915-320  
23 2245 99.4 423 12 US-10-006-485A-269  
24 2245 99.4 423 12 US-10-013-907A-269  
25 2245 99.4 423 12 US-10-015-499A-269  
26 2245 99.4 423 12 US-10-063-555-106  
27 2245 99.4 423 12 US-10-063-563-106  
28 2245 99.4 423 12 US-10-063-594-106  
29 2245 99.4 423 12 US-10-063-553-106  
30 2245 99.4 423 12 US-10-063-554-106  
31 2245 99.4 423 12 US-10-176-484-320  
32 2245 99.4 423 12 US-10-180-550-320  
33 2245 99.4 423 12 US-10-183-014-320  
34 2245 99.4 423 12 US-10-187-738-320  
35 2245 99.4 423 12 US-10-187-740-320  
36 2245 99.4 423 12 US-10-187-883-320  
37 2245 99.4 423 12 US-10-194-363-320  
38 2245 99.4 423 12 US-10-194-460-320  
39 2245 99.4 423 12 US-10-194-463-320  
40 2245 99.4 423 12 US-10-194-484-320  
41 2245 99.4 423 12 US-10-195-884-320  
42 2245 99.4 423 12 US-10-195-896-320  
43 2245 99.4 423 12 US-10-196-744-320  
44 2245 99.4 423 12 US-10-196-755-320  
45 2245 99.4 423 12 US-10-196-757-320

## ALIGNMENTS

RESULT 1  
US-10-032-189-64  
; Sequence 64, Application US/10032189  
; Publication No. US20030170630A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsobrook II, John P  
; APPLICANT: Tchernev, Velizar T  
; APPLICANT: Liu, Xiaohong  
; APPLICANT: Spytek, Kimberly A  
; APPLICANT: Zernusen, Bryan D  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Grosse, William M  
; APPLICANT: Lepley, Denise M  
; APPLICANT: Burgess, Catherine E  
; APPLICANT: Shimkets, Richard A  
; APPLICANT: Grosse, William M  
; APPLICANT: Szekeres, Edward S  
; APPLICANT: Vernet, Corine A.M.  
; APPLICANT: Li, Li  
; APPLICANT: Casman, Stacie J  
; APPLICANT: Boldog, Ferenc L  
; APPLICANT: Gorman, Linda  
; APPLICANT: Gangolli, Esha A  
; APPLICANT: Fernandes, Elma R  
; APPLICANT: Rieger, Daniel K  
; APPLICANT: Edinger, Shlomit R  
; APPLICANT: Gunther, Erik  
; APPLICANT: Millet, Isabelle  
; APPLICANT: Sciore, Paul  
; APPLICANT: Ellerman, Karen  
; APPLICANT: MacDougall, John R  
; APPLICANT: Smithson, Glenda

; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-228  
; CURRENT APPLICATION NUMBER: US/10/032,189  
; CURRENT FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 60/257,495  
; PRIOR FILING DATE: 2000-12-21

; FILE REFERENCE: L10112 Foreign countries  
; CURRENT APPLICATION NUMBER: US/10/332,122  
; CURRENT FILING DATE: 2003-01-06  
; PRIOR APPLICATION NUMBER: 60/218,832  
; PRIOR FILING DATE: 2000-07-18  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 422  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-332-122-3

Query Match 99.4%; Score 2245; DB 14; Length 422;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCEPWPWIGLVMTLSLIVLAVICIGTVHYRYNOKKTYNYSTLSFTT 60  
DB 1 MYRPDVVRARKVCEPWPWIGLVMTLSLIVLAVICIGTVHYRYNOKKTYNYSTLSFTT 60  
QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120  
DB 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120  
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180  
DB 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180  
QY 181 RSKTLGQSRLRVGGTEVEGEWPGWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240  
DB 181 RSKTLGQSRLRVGGTEVEGEWPGWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
QY 301 SYEFQPGDVMTFGALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360  
DB 301 SYEFQPGDVMTFGALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360  
QY 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRTALRDWITSKT 420  
DB 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRTALRDWITSKT 420  
QY 421 GI 422  
DB 421 GI 422

RESULT 3  
US-09-796-753-146  
; Sequence 146, Application US/09/796753  
; Publication No. US20030027998A1  
; GENERAL INFORMATION:  
; APPLICANT: McCarthy, Sean A.  
; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF  
; FILE REFERENCE: 7853-227-999  
; CURRENT APPLICATION NUMBER: US/09/796,753  
; CURRENT FILING DATE: 2001-03-01  
; PRIOR APPLICATION NUMBER: 09/183,175  
; PRIOR FILING DATE: 1998-10-30  
; PRIOR APPLICATION NUMBER: 09/223,094  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/223,546  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/224,246  
; PRIOR FILING DATE: 1998-12-30  
; PRIOR APPLICATION NUMBER: 09/259,388  
; PRIOR FILING DATE: 1999-02-26  
; PRIOR APPLICATION NUMBER: 60/122,458  
; PRIOR FILING DATE: 1999-03-01  
; PRIOR APPLICATION NUMBER: 09/312,359

Query Match 99.4%; Score 2245; DB 14; Length 422;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCEPWPWIGLVMTLSLIVLAVICIGTVHYRYNOKKTYNYSTLSFTT 60  
DB 1 MYRPDVVRARKVCEPWPWIGLVMTLSLIVLAVICIGTVHYRYNOKKTYNYSTLSFTT 60  
QY 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120  
DB 61 DKLYAEFGREASNNFTMSQRLESVMKNFYKSPLEEFVKSPQVVKFSQKHGVLAMLL 120  
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180  
DB 121 ICRFHSTEDPETVDKIVQLVLEHEKLDQAVGPKVPDPSVKIKKINKTETDSYLNHCCGTR 180  
QY 181 RSKTLGQSRLRVGGTEVEGEWPGWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240  
DB 181 RSKTLGQSRLRVGGTEVEGEWPGWQASLOWDGSRCGATLINATWLVSAAHCFITYKNPA 240  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
QY 301 SYEFQPGDVMTFGALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360  
DB 301 SYEFQPGDVMTFGALKNQDYSQNHRLRQAQVTLIDATTCNEPOAYNDATPRMLCAGS 360  
QY 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRTALRDWITSKT 420  
DB 361 LEGKTDACQSGGGLVSSDARDIWLAGIYSSGDECAKPNKPGVYTVTRTALRDWITSKT 420  
QY 421 GI 422  
DB 421 GI 422

RESULT 2  
US-10-332-122-3  
; Sequence 3, Application US/10332122  
; Publication No. US2003017324A1  
; GENERAL INFORMATION:  
; APPLICANT: Bayer AG  
; APPLICANT: Bull, Christof  
; TITLE OF INVENTION: REGULATION OF HUMAN DESCI-LIKE SERINE PROTEASE

; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 09/336,536  
 ; PRIOR FILING DATE: 1999-06-18  
 ; PRIOR APPLICATION NUMBER: 09/342,687  
 ; PRIOR FILING DATE: 1999-06-29  
 ; PRIOR APPLICATION NUMBER: 09/345,464  
 ; PRIOR FILING DATE: 1999-06-30  
 ; PRIOR APPLICATION NUMBER: 09/365,164  
 ; PRIOR FILING DATE: 1999-07-30  
 ; PRIOR APPLICATION NUMBER: 09/399,723  
 ; PRIOR FILING DATE: 1999-09-20  
 ; PRIOR APPLICATION NUMBER: 09/409,634  
 ; PRIOR FILING DATE: 1999-09-30  
 ; PRIOR APPLICATION NUMBER: 09/471,179  
 ; PRIOR FILING DATE: 1999-12-23  
 ; PRIOR APPLICATION NUMBER: 09/474,071  
 ; PRIOR FILING DATE: 1999-12-29  
 ; PRIOR APPLICATION NUMBER: 09/474,072  
 ; PRIOR FILING DATE: 1999-12-29  
 ; PRIOR APPLICATION NUMBER: 09/514,010  
 ; PRIOR FILING DATE: 2000-02-25  
 ; PRIOR APPLICATION NUMBER: 09/516,745  
 ; PRIOR FILING DATE: 2000-03-01  
 ; PRIOR APPLICATION NUMBER: 09/572,002  
 ; PRIOR FILING DATE: 2000-05-14  
 ; PRIOR APPLICATION NUMBER: 09/597,993  
 ; PRIOR FILING DATE: 2000-06-19  
 ; PRIOR APPLICATION NUMBER: 09/599,596  
 ; PRIOR FILING DATE: 2000-06-22  
 ; PRIOR APPLICATION NUMBER: 09/630,334  
 ; PRIOR FILING DATE: 2000-07-31  
 ; PRIOR APPLICATION NUMBER: 09/606,565  
 ; PRIOR FILING DATE: 2000-06-29  
 ; PRIOR APPLICATION NUMBER: 09/606,317  
 ; PRIOR FILING DATE: 2000-06-29  
 ; PRIOR APPLICATION NUMBER: 09/665,666  
 ; PRIOR FILING DATE: 2000-09-20  
 ; PRIOR APPLICATION NUMBER: 09/677,751  
 ; PRIOR FILING DATE: 2000-09-30  
 ; NUMBER OF SEQ ID NOS: 162  
 ; SEQ ID NO 146  
 ; LENGTH: 423  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-796-753-146

Query Match  
 Best Local Similarity 99.4%; Score 2245; DB 10; Length 423;  
 Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
 QY 1 MYRDPVVRARKVCWEPWIGLVFISLIVLAVGIVTVHVYRNQKTYNYSTLSFTT 60  
 Db 2 MYRDPVVRARKVCWEPWIGLVFISLIVLAVGIVTVHVYRNQKTYNYSTLSFTT 61  
 QY 61 DKLYAEFGREANNFTMSQRLSESWKNAFYKSPLEEFVKSVKIQKQKHGLAHMLL 120  
 Db 62 DKLYAEFGREANNFTMSQRLSESWKNAFYKSPLEEFVKSVKIQKQKHGLAHMLL 121  
 QY 121 ICRPHSTEDDETVDKIVQLVLEKLDQAVGPKVPHSVKIKKINKTETDLYLNHCCTG 180  
 Db 122 ICRPHSTEDDETVDKIVQLVLEKLDQAVGPKVPHSVKIKKINKTETDLYLNHCCTG 181  
 QY 181 RSKTLGOSLRVGVTEEGEPWQASLOWDGSRCGATLINATWLVSAHCFTTYKNPA 240  
 Db 182 RSKTLGOSLRVGVTEEGEPWQASLOWDGSRCGATLINATWLVSAHCFTTYKNPA 241  
 QY 241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDLSLAEKSPVYTNVAVHVCVLPDA 300  
 Db 242 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDLSLAEKSPVYTNVAVHVCVLPDA 301  
 QY 301 SYEFQPGDVMFVTGFKALNDGYSQNHRLQAQVTLIDATTCNEPQAYNDAITPMLCAGS 360  
 Db 302 SYEFQPGDVMFVTGFKALNDGYSQNHRLQAQVTLIDATTCNEPQAYNDAITPMLCAGS 361

QY 361 LEGKTDACQDGGPLVSSDARDIWIYLAGIVSSGDECAKPNKPGVYTRVTALRDWITSKT 420  
 Db 362 LEGKTDACQDGGPLVSSDARDIWIYLAGIVSSGDECAKPNKPGVYTRVTALRDWITSKT 421  
 QY 421 GI 422  
 Db 422 GI 423  
 RESULT 4  
 US-09-946-374-269  
 ; Sequence 269, Application US/09946374  
 ; Publication No. US20030073129A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Botstein, David  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Eaton, Dan L.  
 ; APPLICANT: Ferrara, Napoleone  
 ; APPLICANT: Fong, Sherman  
 ; APPLICANT: Gao, Wei-Qiang  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, Christopher J.  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Hillan, Kenneth J.  
 ; APPLICANT: Pan, James  
 ; APPLICANT: Paoni, Nicholas F.  
 ; APPLICANT: Roy, Margaret Ann  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stewart, Timothy A.  
 ; APPLICANT: Tumas, Daniel  
 ; APPLICANT: Watanabe, Colin K.  
 ; APPLICANT: Williams, P. Mickey  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
 ; FILE OF INVENTION: Acids Encoding the Same  
 ; FILE REFERENCE: P2830P1C1  
 ; CURRENT APPLICATION NUMBER: US/09/946,374  
 ; CURRENT FILING DATE: 2001-09-04  
 ; PRIOR APPLICATION NUMBER: 60/098716  
 ; PRIOR FILING DATE: 1998-09-01  
 ; PRIOR APPLICATION NUMBER: 60/098723  
 ; PRIOR FILING DATE: 1998-09-01  
 ; PRIOR APPLICATION NUMBER: 60/098749  
 ; PRIOR FILING DATE: 1998-09-01  
 ; PRIOR APPLICATION NUMBER: 60/098750  
 ; PRIOR FILING DATE: 1998-09-01  
 ; PRIOR APPLICATION NUMBER: 60/098803  
 ; PRIOR FILING DATE: 1998-09-02  
 ; PRIOR APPLICATION NUMBER: 60/098821  
 ; PRIOR FILING DATE: 1998-09-02  
 ; PRIOR APPLICATION NUMBER: 60/098843  
 ; PRIOR FILING DATE: 1998-09-02  
 ; PRIOR APPLICATION NUMBER: 60/099536  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 60/099596  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 60/099598  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 60/099602  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 60/099642  
 ; PRIOR FILING DATE: 1998-09-09  
 ; PRIOR APPLICATION NUMBER: 60/099741  
 ; PRIOR FILING DATE: 1998-09-10  
 ; PRIOR APPLICATION NUMBER: 60/099754  
 ; PRIOR FILING DATE: 1998-09-10  
 ; PRIOR APPLICATION NUMBER: 60/099763  
 ; PRIOR FILING DATE: 1998-09-10  
 ; PRIOR APPLICATION NUMBER: 60/099792  
 ; PRIOR FILING DATE: 1998-09-10

1 PRIOR APPLICATION NUMBER: 60/099808  
2 PRIOR FILING DATE: 1998-09-10  
3 PRIOR APPLICATION NUMBER: 60/099812  
4 PRIOR FILING DATE: 1998-09-10  
5 PRIOR APPLICATION NUMBER: 60/099815  
6 PRIOR FILING DATE: 1998-09-10  
7 PRIOR APPLICATION NUMBER: 60/099816  
8 PRIOR FILING DATE: 1998-09-10  
9 PRIOR APPLICATION NUMBER: 60/100385  
10 PRIOR FILING DATE: 1998-09-15  
11 PRIOR APPLICATION NUMBER: 60/100388  
12 PRIOR FILING DATE: 1998-09-15  
13 PRIOR APPLICATION NUMBER: 60/100390  
14 PRIOR FILING DATE: 1998-09-15  
15 PRIOR APPLICATION NUMBER: 60/100584  
16 PRIOR FILING DATE: 1998-09-16  
17 PRIOR APPLICATION NUMBER: 60/100627  
18 PRIOR FILING DATE: 1998-09-16  
19 PRIOR APPLICATION NUMBER: 60/100661  
20 PRIOR FILING DATE: 1998-09-16  
21 PRIOR APPLICATION NUMBER: 60/100662  
22 PRIOR FILING DATE: 1998-09-16  
23 PRIOR APPLICATION NUMBER: 60/100664  
24 PRIOR FILING DATE: 1998-09-16  
25 PRIOR APPLICATION NUMBER: 60/100683  
26 PRIOR FILING DATE: 1998-09-17  
27 PRIOR APPLICATION NUMBER: 60/100684  
28 PRIOR FILING DATE: 1998-09-17  
29 PRIOR APPLICATION NUMBER: 60/100710  
30 PRIOR FILING DATE: 1998-09-17  
31 PRIOR APPLICATION NUMBER: 60/100711  
32 PRIOR FILING DATE: 1998-09-17  
33 PRIOR APPLICATION NUMBER: 60/100848  
34 PRIOR FILING DATE: 1998-09-18  
35 PRIOR APPLICATION NUMBER: 60/100849  
36 PRIOR FILING DATE: 1998-09-18  
37 PRIOR APPLICATION NUMBER: 60/100919  
38 PRIOR FILING DATE: 1998-09-17  
39 PRIOR APPLICATION NUMBER: 60/100930  
40 PRIOR FILING DATE: 1998-09-17  
41 PRIOR APPLICATION NUMBER: 60/101014  
42 PRIOR FILING DATE: 1998-09-18  
43 PRIOR APPLICATION NUMBER: 60/101068  
44 PRIOR FILING DATE: 1998-09-18  
45 PRIOR APPLICATION NUMBER: 60/101071  
46 PRIOR FILING DATE: 1998-09-18  
47 PRIOR APPLICATION NUMBER: 60/101279  
48 PRIOR FILING DATE: 1998-09-22  
49 PRIOR APPLICATION NUMBER: 60/101471  
50 PRIOR FILING DATE: 1998-09-23  
51 PRIOR APPLICATION NUMBER: 60/101472  
52 PRIOR FILING DATE: 1998-09-23  
53 PRIOR APPLICATION NUMBER: 60/101474  
54 PRIOR FILING DATE: 1998-09-23  
55 PRIOR APPLICATION NUMBER: 60/101475  
56 PRIOR FILING DATE: 1998-09-23  
57 PRIOR APPLICATION NUMBER: 60/101476  
58 PRIOR FILING DATE: 1998-09-23  
59 PRIOR APPLICATION NUMBER: 60/101477  
60 PRIOR FILING DATE: 1998-09-23  
61 PRIOR APPLICATION NUMBER: 60/101479  
62 PRIOR FILING DATE: 1998-09-23  
63 PRIOR APPLICATION NUMBER: 60/101738  
64 PRIOR FILING DATE: 1998-09-24  
65 PRIOR APPLICATION NUMBER: 60/101741  
66 PRIOR FILING DATE: 1998-09-24  
67 PRIOR APPLICATION NUMBER: 60/101743  
68 PRIOR FILING DATE: 1998-09-24  
69 PRIOR APPLICATION NUMBER: 60/101915  
70 PRIOR FILING DATE: 1998-09-24  
71 PRIOR APPLICATION NUMBER: 60/101916  
72 PRIOR FILING DATE: 1998-09-24  
73 PRIOR APPLICATION NUMBER: 60/102207

1 PRIOR FILING DATE: 1998-09-29  
2 PRIOR APPLICATION NUMBER: 60/102240  
3 PRIOR FILING DATE: 1998-09-29  
4 PRIOR APPLICATION NUMBER: 60/102307  
5 PRIOR FILING DATE: 1998-09-29  
6 PRIOR APPLICATION NUMBER: 60/102330  
7 PRIOR FILING DATE: 1998-09-29  
8 PRIOR APPLICATION NUMBER: 60/102331  
9 PRIOR FILING DATE: 1998-09-29  
10 PRIOR APPLICATION NUMBER: 60/102484  
11 PRIOR FILING DATE: 1998-09-30  
12 PRIOR APPLICATION NUMBER: 60/102487  
13 PRIOR FILING DATE: 1998-09-30  
14 PRIOR APPLICATION NUMBER: 60/102570  
15 PRIOR FILING DATE: 1998-09-30  
16 PRIOR APPLICATION NUMBER: 60/102571  
17 PRIOR FILING DATE: 1998-09-30  
18 PRIOR APPLICATION NUMBER: 60/102684  
19 PRIOR FILING DATE: 1998-10-01  
20 PRIOR APPLICATION NUMBER: 60/102687  
21 PRIOR FILING DATE: 1998-10-01  
22 PRIOR APPLICATION NUMBER: 60/102965  
23 PRIOR FILING DATE: 1998-10-02  
24 PRIOR APPLICATION NUMBER: 60/103258  
25 PRIOR FILING DATE: 1998-10-06  
26 PRIOR APPLICATION NUMBER: 60/103314  
27 PRIOR FILING DATE: 1998-10-07  
28 PRIOR APPLICATION NUMBER: 60/103315  
29 PRIOR FILING DATE: 1998-10-07  
30 PRIOR APPLICATION NUMBER: 60/103328  
31 PRIOR FILING DATE: 1998-10-07  
32 PRIOR APPLICATION NUMBER: 60/103395  
33 PRIOR FILING DATE: 1998-10-07  
34 PRIOR APPLICATION NUMBER: 60/103396  
35 PRIOR FILING DATE: 1998-10-07  
36 PRIOR APPLICATION NUMBER: 60/103401  
37 PRIOR FILING DATE: 1998-10-07  
38 PRIOR APPLICATION NUMBER: 60/103449  
39 PRIOR FILING DATE: 1998-10-06  
40 PRIOR APPLICATION NUMBER: 60/103633  
41 PRIOR FILING DATE: 1998-10-08  
42 PRIOR APPLICATION NUMBER: 60/103678  
43 PRIOR FILING DATE: 1998-10-08  
44 PRIOR APPLICATION NUMBER: 60/103679  
45 PRIOR FILING DATE: 1998-10-08  
46 PRIOR APPLICATION NUMBER: 60/103711  
47 PRIOR FILING DATE: 1998-10-08  
48 PRIOR APPLICATION NUMBER: 60/104257  
49 PRIOR FILING DATE: 1998-10-14  
50 PRIOR APPLICATION NUMBER: 60/104987  
51 PRIOR FILING DATE: 1998-10-20  
52 PRIOR APPLICATION NUMBER: 60/105000  
53 PRIOR FILING DATE: 1998-10-20  
54 PRIOR APPLICATION NUMBER: 60/105002  
55 PRIOR FILING DATE: 1998-10-20  
56 PRIOR APPLICATION NUMBER: 60/105104  
57 PRIOR FILING DATE: 1998-10-21  
58 PRIOR APPLICATION NUMBER: 60/105169  
59 PRIOR FILING DATE: 1998-10-22  
60 PRIOR APPLICATION NUMBER: 60/105266  
61 PRIOR FILING DATE: 1998-10-22  
62 PRIOR APPLICATION NUMBER: 60/105693  
63 PRIOR FILING DATE: 1998-10-26  
64 PRIOR APPLICATION NUMBER: 60/105694  
65 PRIOR FILING DATE: 1998-10-26  
66 PRIOR APPLICATION NUMBER: 60/105807

Query Match 99.4%; Score 2245; DB 10; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY

1 MYRPDVVRABKRVCEWPNVGLWPFSLIVLVCIGTWHYVKNQKTYNYTSLFTT 60

BACKER VS  
SEQ 10 #3



Db 2 MYRDPVVRARCRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTNYSTLSFTT 61  
Qy 61 DKLYAEFGREASNNFTMSQRLSMVKNFVKSPLREFFVKSQVKSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSQRLSMVKNFVKSPLREFFVKSQVKSQKHGVLAHMLL 121  
Qy 121 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPSVKIKKINKTETDSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPSVKIKKINKTETDSYLNHCCGTR 181  
Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 241  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301  
Qy 301 SYEFQPGDVMTGFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDATTPRMLCAGS 360  
Db 302 SYEFQPGDVMTGFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDATTPRMLCAGS 361  
Qy 361 LEGKTDACQDGGPLVSSDARDIWLGIWLAGIVSSGDECAKPNKPGYTRVTRALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLGIWLAGIVSSGDECAKPNKPGYTRVTRALRDWITSKT 421  
Qy 421 GI 422  
Db 422 GI 423

## RESULT 5

US-10-206-915-320  
; Sequence 320, Application US/10206915  
; Publication No. US20040029221A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C513  
; CURRENT APPLICATION NUMBER: US/10/206,915  
; PRIOR FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 320  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-206-915-320  
Query Match 99.4%; Score 2245; DB 12; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217; Indels 0; Gaps 0;  
Matches 419; Conservative 2; Mismatches 1;  
Qy 1 MYRDPVVRARCRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTNYSTLSFTT 60  
Db 2 MYRDPVVRARCRVCWEPWVIGLVIFISLIVLAVCIGLTVHYVRYNQKKTNYSTLSFTT 61  
Qy 61 DKLYAEFGREASNNFTMSQRLSMVKNFVKSPLREFFVKSQVKSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSQRLSMVKNFVKSPLREFFVKSQVKSQKHGVLAHMLL 121  
Qy 121 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPSVKIKKINKTETDSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIQLVLHEKLDQAVGPPKVDPSVKIKKINKTETDSYLNHCCGTR 181  
Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFITYKNPA 241  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301  
Qy 301 SYEFQPGDVMTGFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDATTPRMLCAGS 360  
Db 302 SYEFQPGDVMTGFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDATTPRMLCAGS 361  
Qy 361 LEGKTDACQDGGPLVSSDARDIWLGIWLAGIVSSGDECAKPNKPGYTRVTRALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLGIWLAGIVSSGDECAKPNKPGYTRVTRALRDWITSKT 421  
Qy 421 GI 422  
Db 422 GI 423  
RESULT 6  
US-10-199-670-320  
; Sequence 320, Application US/10199670  
; Publication No. US20040033560A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C401  
; CURRENT APPLICATION NUMBER: US/10/199,670  
; PRIOR FILING DATE: 2002-07-19  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17



```
; Publication No. US20040048334A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C519
; CURRENT APPLICATION NUMBER: US/10/205,890
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-205-890-320

Query Match          99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MYRDPVVRARKVCWEPWVIGLVMFISLILVAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 60
Db      2  MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 61

Qy      61  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 120
Db      62  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 121

Qy      121  ICRFHSTDEPVTDKIVQLVLEKLODVGPKVDPHSVKIKKINKTETSDSYLNHCCGTR 180
Db      122  ICRFHSTDEPVTDKIVQLVLEKLODVGPKVDPHSVKIKKINKTETSDSYLNHCCGTR 181

Qy      181  RSKTLGQSRLIRIVGGTEVEBEGEPWQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 240
Db      182  RSKTLGQSRLIRIVGGTEVEBEGEPWQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 241

Qy      241  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db      242  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301

Qy      301  SYEFQFGDVMFTGFGALKNDGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db      302  SYEFQFGDVMFTGFGALKNDGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361

; Publication No. US20040048335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C538
; CURRENT APPLICATION NUMBER: US/10/208,024
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 320
; LENGTH: 423
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-208-024-320

Query Match          99.4%; Score 2245; DB 12; Length 423;
Best Local Similarity 99.3%; Pred. No. 1.7e-217;
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1  MYRDPVVRARKVCWEPWVIGLVMFISLILVAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 60
Db      2  MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIIGTVVHYVRYNOKKTYNYSTLSFTT 61

Qy      61  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 120
Db      62  DKLYAEFGREASNNFTMSQRLESVMVKNAFYKSPLEEFVKSVQVTKFSQKHGVLAHMLL 121

Qy      121  ICRFHSTDEPVTDKIVQLVLEKLODVGPKVDPHSVKIKKINKTETSDSYLNHCCGTR 180
Db      122  ICRFHSTDEPVTDKIVQLVLEKLODVGPKVDPHSVKIKKINKTETSDSYLNHCCGTR 181

Qy      181  RSKTLGQSRLIRIVGGTEVEBEGEPWQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 240
Db      182  RSKTLGQSRLIRIVGGTEVEBEGEPWQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 241

Qy      241  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300
Db      242  RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301

Qy      301  SYEFQFGDVMFTGFGALKNDGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360
Db      302  SYEFQFGDVMFTGFGALKNDGYSQNHLEQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361
```

Db 122 ICRFHSTEDPTVDKIVQLVLEKQLQDAVGPVKVDPHSVKIKKINKTETDYSYLNHCCGPR 181  
QY 181 RSKTIGQSRLIRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTIGQSRLIRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGRLRIIVHEKYPKSHDHYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGRLRIIVHEKYPKSHDHYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQGDVMTFVFGALKNDGYSQNLHQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 302 SYEFQGDVMTFVFGALKNDGYSQNLHQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDACQDGGPLVSSDARDIWLKAGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLKAGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 421  
QY 421 GI 422  
Db 422 GI 423

RESULT 10  
US-10-201-853-320  
; Sequence 320, Application US/10201853  
; Publication No. US20040053358A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC465  
; CURRENT APPLICATION NUMBER: US/10/201,853  
; CURRENT FILING DATE: 2002-07-23  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 320  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-201-853-320

Query Match 99.4%; Score 2245; DB 12; Length 423;

Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 60  
Db 2 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 61  
QY 61 DKLYAEFGREASNNFTMSORLESVMKNAFYKSPLEBPFVKSOVIKFSQOKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSORLESVMKNAFYKSPLEBPFVKSOVIKFSQOKHGVLAHMLL 121  
QY 121 ICRFHSTEDPTVDKIVQLVLEKQLQDAVGPVKVDPHSVKIKKINKTETDYSYLNHCCGPR 180  
Db 122 ICRFHSTEDPTVDKIVQLVLEKQLQDAVGPVKVDPHSVKIKKINKTETDYSYLNHCCGPR 181  
QY 181 RSKTIGQSRLIRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTIGQSRLIRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGRLRIIVHEKYPKSHDHYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGRLRIIVHEKYPKSHDHYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQGDVMTFVFGALKNDGYSQNLHQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 302 SYEFQGDVMTFVFGALKNDGYSQNLHQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDACQDGGPLVSSDARDIWLKAGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLKAGIVSSGDECAKPNKPGVYTRVTRALRDWITSKT 421  
QY 421 GI 422  
Db 422 GI 423

## RESULT 11

US-10-063-745-106  
; Sequence 106, Application US/10063745  
; Publication No. US20040058411A1  
; GENERAL INFORMATION:  
; APPLICANT: Baton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3230RLC1  
; CURRENT APPLICATION NUMBER: US/10/063,745  
; CURRENT FILING DATE: 2002-05-09  
; PRIOR APPLICATION removed - See Palm or File Wrapper  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 106  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-063-745-106

Query Match 99.4%; Score 2245; DB 12; Length 423;

Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 60  
Db 2 MYRPDVRARKVRCWEPWVIGLVMPISLIVLAVCIQVTVHYVRYNOKKTYNYSTLSFTT 61  
QY 61 DKLYAEFGREASNNFTMSORLESVMKNAFYKSPLEBPFVKSOVIKFSQOKHGVLAHMLL 120

Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121  
QY 121 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181  
QY 181 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 360 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 420  
Db 420 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 421  
QY 421 GI 422  
Db 422 GI 423

RESULT 12  
US-10-063-512-106  
; Sequence 106, Application US/10063512  
; Publication No. US20030018183A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230R1C1  
; CURRENT APPLICATION NUMBER: US/10/063, 512  
; CURRENT FILING DATE: 2002-05-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 106  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-063-512-106

Query Match 99.4%; Score 2245; DB 12; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MYRPDVVRARKVCEPWPWIGLVFISLIVAVICIGVTYHYVRYNOKKTYNYSTLSFTT 60  
Db 2 MYRPDVVRARKVCEPWPWIGLVFISLIVAVICIGVTYHYVRYNOKKTYNYSTLSFTT 61  
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121  
QY 121 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181  
QY 181 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 360 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361

QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 360 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 420  
Db 420 LEGKTDACQDGGPLVSSDARDIWLIVAGISGDECAKPNKPGVYTRVTRALRDWITSKT 421  
QY 421 GI 422  
Db 422 GI 423

RESULT 13  
US-10-063-513-106  
; Sequence 106, Application US/10063513  
; Publication No. US20030018172A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230R1C1  
; CURRENT APPLICATION NUMBER: US/10/063, 513  
; CURRENT FILING DATE: 2002-05-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 106  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-063-513-106

Query Match 99.4%; Score 2245; DB 12; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
QY 1 MYRPDVVRARKVCEPWPWIGLVFISLIVAVICIGVTYHYVRYNOKKTYNYSTLSFTT 60  
Db 2 MYRPDVVRARKVCEPWPWIGLVFISLIVAVICIGVTYHYVRYNOKKTYNYSTLSFTT 61  
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSQVIFKFSQKHGVLAHMLL 121  
QY 121 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181  
QY 181 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 240  
Db 182 RSKTLGQSLRIIVGGTEVEEGEWPQASLOWDGSRCATLINATWLVSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVHRVCLPDA 301  
QY 301 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
Db 360 SYEFQPDVWFVTFGALKNDGYSQNHLCRAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361

Qy 361 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 420  
Db |||||  
Qy 362 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 421  
Db |||||  
Qy 421 GI 422  
Db ||  
Qy 422 GI 423

## RESULT 14

US-10-063-515-106  
; Sequence 106, Application US/10063515  
; Publication No. US20030018173A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230R1C1  
; CURRENT APPLICATION NUMBER: US/10/063,515  
; CURRENT FILING DATE: 2002-05-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 106  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-063-515-106

Query Match 99.4%; Score 2245; DB 12; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 MYRPDVVRARKVRCWEPWVIGLVFISLVLAVCIGVTVHYVRYNOKKTYNYSTLSFTT 60  
Db |||||  
Qy 2 MYRPDVVRARKVRCWEPWVIGLVFISLVLAVCIGVTVHYVRYNOKKTYNYSTLSFTT 61  
Db |||||  
Qy 61 DKLYAEFGREASNNFTMSQRLSESMVKNAPFKSPLEEFVKSVQIKFSQOKHGVLAHMLL 120  
Db |||||  
Qy 62 DKLYAEFGREASNNFTMSQRLSESMVKNAPFKSPLEEFVKSVQIKFSQOKHGVLAHMLL 121  
Db |||||  
Qy 121 ICRPHSTEDPETVDKIVQLVHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
Db |||||  
Qy 122 ICRPHSTEDPETVDKIVQLVHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181  
Db |||||  
Qy 181 RSKTLGOSLRIVGTEVEEGEPWQASLOWDGSRCGATLINATLWLSAAHCFITYKNPA 240  
Db |||||  
Qy 182 RSKTLGOSLRIVGTEVEEGEPWQASLOWDGSRCGATLINATLWLSAAHCFITYKNPA 241  
Db |||||  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKPSHDYDISLAELSSPVPYTNVAHRCVCLPDA 300  
Db |||||  
Qy 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKPSHDYDISLAELSSPVPYTNVAHRCVCLPDA 301  
Db |||||  
Qy 301 SYEFQPGDVMTVTFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 360  
Db |||||  
Qy 302 SYEFQPGDVMTVTFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 361  
Db |||||  
Qy 361 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 420  
Db |||||  
Qy 362 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 421  
Db |||||  
Qy 421 GI 422  
Db ||  
Qy 422 GI 423

Search completed: May 13, 2004, 16:44:25  
Job time : 40.5 secs

## RESULT 15

US-10-063-549-106  
; Sequence 106, Application US/10063549  
; Publication No. US20030027986A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230R1C1  
; CURRENT APPLICATION NUMBER: US/10/063,549  
; CURRENT FILING DATE: 2002-05-02  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 106  
; LENGTH: 423  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-063-549-106

Query Match 99.4%; Score 2245; DB 12; Length 423;  
Best Local Similarity 99.3%; Pred. No. 1.7e-217;  
Matches 419; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 MYRPDVVRARKVRCWEPWVIGLVFISLVLAVCIGVTVHYVRYNOKKTYNYSTLSFTT 60  
Db |||||  
Qy 2 MYRPDVVRARKVRCWEPWVIGLVFISLVLAVCIGVTVHYVRYNOKKTYNYSTLSFTT 61  
Db |||||  
Qy 61 DKLYAEFGREASNNFTMSQRLSESMVKNAPFKSPLEEFVKSVQIKFSQOKHGVLAHMLL 120  
Db |||||  
Qy 62 DKLYAEFGREASNNFTMSQRLSESMVKNAPFKSPLEEFVKSVQIKFSQOKHGVLAHMLL 121  
Db |||||  
Qy 121 ICRPHSTEDPETVDKIVQLVHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
Db |||||  
Qy 122 ICRPHSTEDPETVDKIVQLVHEKLDQAVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 181  
Db |||||  
Qy 181 RSKTLGOSLRIVGTEVEEGEPWQASLOWDGSRCGATLINATLWLSAAHCFITYKNPA 240  
Db |||||  
Qy 182 RSKTLGOSLRIVGTEVEEGEPWQASLOWDGSRCGATLINATLWLSAAHCFITYKNPA 241  
Db |||||  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKPSHDYDISLAELSSPVPYTNVAHRCVCLPDA 300  
Db |||||  
Qy 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYPKPSHDYDISLAELSSPVPYTNVAHRCVCLPDA 301  
Db |||||  
Qy 301 SYEFQPGDVMTVTFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 360  
Db |||||  
Qy 302 SYEFQPGDVMTVTFGALKNDGYSONHLRQAVTLIDATTCNEPQAYNDAITPRMLCAGS 361  
Db |||||  
Qy 361 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 420  
Db |||||  
Qy 362 LEGKTDACQDSGGPLVSSDARDIWLVLGIVSGDECAKPKPGVYTRVTRALRDWITSKT 421  
Db |||||  
Qy 421 GI 422  
Db ||  
Qy 422 GI 423

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 13, 2004, 16:27:38 ; Search time 50.5 Seconds  
(without alignments)  
2361.090 Million cell updates/sec

Title: US-09-674-035B-2

Perfect score: 2265

Sequence: 1 MYRPDVVRARKRVCWEPWV.....PGVYTRVTAIRDWITSKTI 422

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : A Geneseq\_29Jan04.\*  
1: Geneseqp1980s.\*  
2: Geneseqp1990s.\*  
3: Geneseqp2000s.\*  
4: Geneseqp2001s.\*  
5: Geneseqp2002s.\*  
6: Geneseqp2003as.\*  
7: Geneseqp2003bs.\*  
8: Geneseqp2004s.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2265	100.0	422	3 AAY94708	Aay94708 Human DES
2	2265	100.0	422	5 AAEL18723	Aael18723 Human DES
3	2265	100.0	422	6 ABUS6527	Abu56527 Lung canc
4	2265	100.0	423	3 AAY99414	Aay99414 Human PRO
5	2265	100.0	423	4 AAB66163	Aab66163 Protein o
6	2265	100.0	423	4 AAU01344	Aau01344 Human TAN
7	2265	100.0	423	4 AAU29183	Aau29183 Human PRO
8	2265	100.0	423	4 AAB87578	Aab87578 Human PRO
9	2265	100.0	423	5 ABG5903	Abg5903 Human sec
10	2265	100.0	423	5 ABP43883	Abp43883 Human PRO
11	2265	100.0	423	6 ABUS8559	Abu58559 Human PRO
12	2265	100.0	423	6 ABUS8107	Abu8107 Novel hum
13	2265	100.0	423	6 ABUS8422	Abu84422 Human sec
14	2265	100.0	423	6 ABRE6296	Abre6296 Human sec
15	2265	100.0	423	6 ABRE6586	Abre6586 Human sec
16	2265	100.0	423	6 ABUS9626	Abu99626 Human sec
17	2265	100.0	423	6 ABUS2865	Abu82865 Human PRO
18	2265	100.0	423	6 ABUS8986	Abu8986 Novel hum
19	2265	100.0	423	6 ABRE6235	Abre6235 Human sec
20	2265	100.0	423	6 ABUS9628	Abu96288 Novel hum
21	2265	100.0	423	6 ABUS92719	Abu92719 Human sec
22	2265	100.0	423	6 ABOS08796	Abos08796 Human sec
23	2265	100.0	423	6 ABO02848	Abos02848 Human sec
24	2265	100.0	423	6 ABR75002	Abre75002 Human sec
25	2265	100.0	423	6 ABR94764	Abre94764 Human sec

26	2265	100.0	423	6 ABUS85737	Abu85737 Human PRO
27	2265	100.0	423	6 ABUS8897	Abu8897 Novel hum
28	2265	100.0	423	6 ABUS98112	Abu98112 Novel hum
29	2265	100.0	423	6 ABUS91818	Abu91818 Novel hum
30	2265	100.0	423	6 ABUS9511	Abu89511 Human PRO
31	2265	100.0	423	6 ABUS86352	Abu86352 Human sec
32	2265	100.0	423	6 ABUS67565	Abu67565 Human sec
33	2265	100.0	423	6 ABUS80593	Abu80593 Human PRO
34	2265	100.0	423	6 ABUS90928	Abu90928 Novel hum
35	2265	100.0	423	6 ABO33987	Abos33987 Human sec
36	2265	100.0	423	6 ABR99511	Abre99511 Human sec
37	2265	100.0	423	6 ABR98901	Abre98901 Human sec
38	2265	100.0	423	6 ABO16424	Abos16424 Human sec
39	2265	100.0	423	6 ABR92324	Abre92324 Human sec
40	2265	100.0	423	6 ABO18965	Abos18965 Human sec
41	2265	100.0	423	6 ABR78386	Abre78386 Human sec
42	2265	100.0	423	6 ABRU72004	Abur72004 Novel hum
43	2265	100.0	423	6 ABUS85122	Abu85122 Novel hum
44	2265	100.0	423	6 ABO00261	Abos00261 Novel hum
45	2265	100.0	423	6 ABO11593	Abos11593 Human sec

## ALIGNMENTS

RESULT 1  
AAY94708  
ID AAY94708 standard; protein; 422 AA.  
XX AAY94708;  
AC AAY94708;  
XX  
DT 01-DEC-2000 (first entry)  
XX  
DE Human DES1 protein variant #1.  
XX  
KW Human; DES1; squamous cell carcinoma; prostate cancer; head; neck;  
KW diagnosis; chromosome 4q12-4q13.  
XX  
OS Homo sapiens.  
XX  
FH Key Location/Qualifiers  
FT Region 19..37  
FT /note= "Hydrophobic transmembrane region"  
FT Cleavage-site 190..191  
FT Domain 191..422  
FT /note= "Catalytic domain"  
XX  
XX WO200050061-A1.  
XX  
XX 31-AUG-2000.  
XX  
XX 11-NOV-1999; 99WO-IB001818.  
XX  
XX 26-FEB-1999; 99US-0122747P.  
XX  
XX (OHIS ) UNIV OHIO STATE RES FOUND.  
XX  
XX Lang JC;  
XX  
XX WPI; 2000-572035/53.  
XX N-PSDB; AAA28125.  
XX  
XX Diagnosing squamous cell carcinoma or prostate cancer especially squamous cell carcinomas of head and neck and tissues adjacent to such tumor tissue comprises assaying for the expression of DES1 gene.  
XX Claim 8; Fig 1A; 32pp; English.  
XX  
XX This invention relates to a method for the diagnosis of squamous cell carcinoma or prostate cancer, comprising assaying for the expression of the DES1 gene in the tissue sample from a subject. The present sequence represents the human DES1 protein variant 1. The human DES1 gene is located on chromosome 4q12-4q13, and the DES1 protein has a predicted



CC molecular weight of 44kd. The DESCI gene is expressed in significant  
CC levels in epithelial derived tissue of the head, neck, oral mucosa,  
CC tonsils, prostate, testes and skin in healthy individuals. Tissue samples  
CC from patients with squamous cell carcinoma (particularly of the head and  
CC neck) do not express, or expresses at low levels the DESCI gene.  
CC Expression of the DESCI gene is reduced or absent in prostate cancer. The  
CC DESCI protein shows homology to serine protease family members. The  
CC methods of the invention can be used to diagnose squamous cell carcinoma  
CC or prostate cancer in a tissue sample of a subject. The DESCI cDNA is  
CC useful for producing DESCI protein and for designing hybridization probes  
CC for isolating and identifying cDNA clones and genomic clones encoding the  
CC protein or its allelic forms  
XX  
SQ Sequence 422 AA;

Query Match 100.0%; Score 2265; DB 3; Length 422;  
Best Local Similarity 100.0%; Pred. No. 1.7e-195;  
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60  
DB 1 MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60  
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSVQVVKFSQKHGVLAHMLL 120  
DB 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSVQVVKFSQKHGVLAHMLL 120  
QY 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
DB 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
QY 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240  
DB 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300  
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300  
QY 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
DB 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
QY 361 LEGKTDACQDGGPLVSSDARDIWLGIAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420  
DB 361 LEGKTDACQDGGPLVSSDARDIWLGIAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420  
QY 421 GI 422  
DB 421 GI 422

RESULT 2  
AAE18723  
ID AAE18723 standard; protein; 422 AA.

AC AAE18723;

DT 17-MAY-2002 (first entry)

DE Human DESCI-like serine protease homologue.

KW Human; DESCI-like serine protease; chronic obstructive pulmonary disease;  
KW COPD; cancer; cardiovascular disease; nervous system disease; arrhythmia;  
KW congestive heart failure; myocardial infarction; ischaemic disease;  
KW hypertensive vascular disease; peripheral vascular disease; enzyme.

OS Homo sapiens.

PN WO200206453-A2.

XX 24-JAN-2002.

XX

PF 09-JUL-2001; 2001WO-EP007859.  
XX  
PR 18-JUL-2000; 2000US-0218832P.  
XX  
FA (FARB ) BAYER AG.  
XX  
PI Ramakrishnan S;  
XX  
DR WPI; 2002-188540/24.  
XX  
PT Novel purified human DESCI-like serine protease, useful for identifying  
PT modulators of enzyme activity to treat cancer, chronic obstructive  
PT pulmonary disease, cardiovascular, peripheral/central nervous system  
PT disease.  
XX  
PS Disclosure; Fig 3; 86pp; English.  
XX  
CC The present invention relates to human DESCI-like serine proteases and  
CC polynucleotides encoding such proteins. DESCI-like serine proteases are  
CC useful for treating a DESCI-like serine protease dysfunction related  
CC disease conditions such as cancer, chronic obstructive pulmonary disease  
CC (COPD), cardiovascular diseases (e.g., myocardial infarction, congestive  
CC heart failure, ischaemic diseases of heart, all kinds of atrial and  
CC ventricular arrhythmias, hypertensive vascular diseases and peripheral  
CC vascular diseases) and peripheral or central nervous system diseases.  
CC They are also useful in diagnostic assays for detecting diseases and  
CC abnormalities or susceptibility to diseases and abnormalities related to  
CC the presence of mutations in the nucleic acid sequences which encode the  
CC enzyme. The present sequence is human DESCI-like serine protease  
CC homologue  
XX  
SQ Sequence 422 AA;

Query Match 100.0%; Score 2265; DB 5; Length 422;  
Best Local Similarity 100.0%; Pred. No. 1.7e-195;  
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60  
DB 1 MYRDPVVRARKVCWEPWVIGLVIFISLILVAVCIGLTVHYVRYNOKKTYNYSTLSPTT 60  
QY 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSVQVVKFSQKHGVLAHMLL 120  
DB 61 DKLYAEFGREASNNFTMSQRLESVMVKNFYKSPLEEFVKSVQVVKFSQKHGVLAHMLL 120  
QY 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
DB 121 ICRFHSTEDPETVDKIVQLVLEKLODVGPPKVDPHSVKIKKINKTETDTSYLNHCCGTR 180  
QY 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240  
DB 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300  
DB 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPTNVAHVRLCLPDA 300  
QY 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
DB 301 SYEFQPGDVMFTGFGALKNDGYSQNHLSRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
QY 361 LEGKTDACQDGGPLVSSDARDIWLGIAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420  
DB 361 LEGKTDACQDGGPLVSSDARDIWLGIAGISWGDCAKPNKPGVYTRVTLARDWITSKT 420  
QY 421 GI 422  
DB 421 GI 422

RESULT 3  
ABU56527  
ID ABU56527 standard; protein; 422 AA.







Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVAVHRCVCLPDA 301  
Qy 301 SYEQPGDMVFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRMLCAGS 360  
Db 302 SYEQPGDMVFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRMLCAGS 361  
Qy 361 LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 421  
Qy 421 GI 422  
Db 422 GI 423  
RESULT 5  
ID AAB66163 standard; protein; 423 AA.  
AC AAB66163;  
XX  
DT 02-APR-2001 (first entry)  
DE Protein of the invention #75.  
DE  
XX Secreted; transmembrane; gene therapy.  
XX Unidentified.  
OS  
XX WO200078961-A1.  
XX  
XX 28-DEC-2000.  
XX  
XX 18-FEB-2000; 2000WO-US004342.  
XX  
XX 23-JUN-1999; 99US-0141037P.  
XX 20-JUL-1999; 99US-0144758P.  
XX 26-JUL-1999; 99US-0145698P.  
XX 01-SEP-1999; 99WO-US020111.  
XX 29-OCT-1999; 99US-0162506P.  
XX 30-NOV-1999; 99WO-US028313.  
XX 02-DEC-1999; 99WO-US028551.  
XX 16-DEC-1999; 99WO-US030095.  
XX 05-JAN-2000; 2000WO-US000219.  
XX 06-JAN-2000; 2000WO-US000376.  
XX  
XX (GETH ) GENENTECH INC.  
XX Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong SJ;  
XX Gao W, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ;  
XX Pan J, Paoni NF, Roy MA, Smith V, Stewart TA, Tumas D, Watanabe CK;  
XX Williams FW, Wood WI;  
XX WPI; 2001-071395/08.  
XX  
XX Secreted and transmembrane proteins and nucleic acids designated PRO,  
XX useful as hybridization probes, in chromosome and gene mapping and gene  
XX therapy.  
XX  
XX Claim 1; Fig 150; 787pp; English.  
XX  
XX The present invention relates to secreted and transmembrane proteins.  
XX These proteins and the DNA encoding them may be used as hybridization  
XX probes, in chromosome and gene mapping and in the generation of anti-  
XX sense RNA and DNA. They may also be used to generate either  
XX transgenic animals or knockout animals which are in turn useful for  
XX development and screening of therapeutically useful reagents. The nucleic  
XX acids may also be used in gene therapy  
XX  
XX Sequence 423 AA;  
SQ  
Query Match 100.0%; Score 2265; DB 4; Length 423;  
Best Local Similarity 100.0%; Pred. No. 1.7e-195;

Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 MYRDPVVRARXRCWEPWVIGLVIFISLVLAVCIGLTVHVRVYNOKKTYNYSTLSFTT 60  
Db 2 MYRDPVVRARXRCWEPWVIGLVIFISLVLAVCIGLTVHVRVYNOKKTYNYSTLSFTT 61  
Qy 61 DKLYAEFGREASNFTMSQRLESQVKNVAFYKSPLEEFVKSQVIFKSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNFTMSQRLESQVKNVAFYKSPLEEFVKSQVIFKSQKHGVLAHMLL 121  
Qy 121 ICRFHSTEDPETVKIVQLVHLHEKLODAVGPVKVDPHSHVKIKKINKITDSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVKIVQLVHLHEKLODAVGPVKVDPHSHVKIKKINKITDSYLNHCCGTR 181  
Qy 181 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFTTYKNPA 240  
Db 182 RSKTLGQSLRIVGGTEVEEGEPWQASLQWDSHRCGATLINATWLVSAAHCFTTYKNPA 241  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVAVHRCVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPPVYTNVAVHRCVCLPDA 301  
Qy 301 SYEQPGDMVFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRMLCAGS 360  
Db 302 SYEQPGDMVFTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDATTPRMLCAGS 361  
Qy 361 LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 420  
Db 362 LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTVTALRDWITSKT 421  
Qy 421 GI 422  
Db 422 GI 423  
RESULT 6  
AAU01344  
ID AAU01344 standard; protein; 423 AA.  
XX  
AC AAU01344;  
XX  
DT 18-JUL-2001 (first entry)  
DE Human TANGO 361 amino acid sequence.  
XX  
XX Human; TANGO 361; transmembrane protein; diagnostic; asthma;  
XX immunological disorder; arthritis; graft rejection; renal disorder;  
XX acquired immunodeficiency syndrome; inflammatory disorders; psoriasis;  
XX AIDS; embryonic disorder; brain; cerebral oedema; ischaemia; tumour;  
XX prostate; cerebrovascular disease; pituitary; Cushing's disease;  
XX neurodegenerative disease; Parkinson's disease.  
XX  
XX Homo sapiens.  
XX  
XX Key Location/Qualifiers  
XX FT Peptide 1..35  
XX FT /note= "Signal peptide"  
XX FT Protein 36..423  
XX FT /note= "Mature TANGO 361"  
XX FT Domain 36..216  
XX FT /note= "Cytoplasmic domain"  
XX FT Modified-site 61..63  
XX FT /note= "Protein kinase C phosphorylation site"  
XX FT Modified-site 75..78  
XX FT /note= "Asn is N-glycosylated"  
XX FT Modified-site 80..82  
XX FT /note= "Protein kinase C phosphorylation site"  
XX FT Modified-site 127..130  
XX FT /note= "Casein kinase II phosphorylation site"  
XX FT Modified-site 159..161  
XX FT /note= "Protein kinase C phosphorylation site"  
XX FT Modified-site 166..169  
XX FT /note= "Asn is N-glycosylated"



PR 14-MAR-2000; 2000US-01893320P.  
PR 14-MAR-2000; 2000US-01893328P.  
PR 15-MAR-2000; 2000WO-US006884.  
PR 21-MAR-2000; 2000US-0190828P.  
PR 21-MAR-2000; 2000US-0191007P.  
PR 21-MAR-2000; 2000US-0191048P.  
PR 21-MAR-2000; 2000US-0191314P.  
PR 28-MAR-2000; 2000US-0192655P.  
PR 29-MAR-2000; 2000US-0193032P.  
PR 29-MAR-2000; 2000US-0193053P.  
PR 30-MAR-2000; 2000WO-US008439.  
PR 04-APR-2000; 2000US-0194449P.  
PR 11-APR-2000; 2000US-0195975P.  
PR 11-APR-2000; 2000US-0196000P.  
PR 11-APR-2000; 2000US-0196187P.  
PR 11-APR-2000; 2000US-0196690P.  
PR 11-APR-2000; 2000US-0196820P.  
PR 18-APR-2000; 2000US-0198121P.  
PR 18-APR-2000; 2000US-0198585P.  
PR 25-APR-2000; 2000US-0199397P.  
PR 25-APR-2000; 2000US-0199550P.  
PR 25-APR-2000; 2000US-0199654P.  
PR 03-MAY-2000; 2000US-0201516P.  
PR 17-MAY-2000; 2000WO-US013705.  
PR 22-MAY-2000; 2000WO-US014042.  
PR 30-MAY-2000; 2000WO-US014941.  
PR 02-JUN-2000; 2000WO-US015284.  
PR 05-JUN-2000; 2000US-0209832P.  
PR 28-JUL-2000; 2000WO-US020710.  
PR 22-AUG-2000; 2000US-00644848.  
PR 24-AUG-2000; 2000WO-US023328.  
PR 08-NOV-2000; 2000WO-US030952.  
PR 01-DEC-2000; 2000WO-US032678.  
PR 20-DEC-2000; 2000WO-US034956.  
XX  
PA (GETH ) GENENTECH INC.  
XX  
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;  
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;  
XX  
XX WPI; 2001-602746/58.  
DR N-PSDB; AAS46084.  
XX  
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the  
PT presence of tumors, such as prostate and breast tumors, in mammals and to  
PT screen for modulators of the compounds.  
XX  
XX Claim 11; Fig 320; 77app; English.  
XX  
XX Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.  
CC The PRO polypeptides and their associated nucleic acids can be used to  
CC detect the presence of a tumour in a mammal by comparing the level of  
CC expression of a PRO polypeptide in a test sample of cells from the animal  
CC and a control sample of normal cells, whereby a higher level of  
CC expression in the test sample indicates the presence of a tumour in the  
CC mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats  
CC and rabbits but are preferably human. The polypeptides can be used to  
CC stimulate tumour necrosis factor (TNF) alpha release from human blood,  
CC when contacted with it. A specific polypeptide can be used to stimulate  
CC the proliferation or differentiation of chondrocyte cells. The PRO  
CC proteins can be used to determine the presence of tumours and also  
CC susceptibility to tumour development, particularly adrenal, lung, colon,  
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian  
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids  
CC can be used for genetic analysis of individuals with genetic disorders  
XX  
XX SQ Sequence 423 AA;  
Query Match 100.0%; Score 2265; DB 4; Length 423;  
Best Local Similarity 100.0%; Fred. NO. 1.7e-195;  
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVCIGLTVHYRVYNQKKTNYISTLSFTT 60  
DB 2 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVCIGLTVHYRVYNQKKTNYISTLSFTT 61  
QY 61 DKLYAEFGREASNNFTMSQRLSESMWKNAFKSPLEEFVKSOVKEFSQOKHGVLAHMLL 120  
DB 62 DKLYAEFGREASNNFTMSQRLSESMWKNAFKSPLEEFVKSOVKEFSQOKHGVLAHMLL 121  
QY 121 ICRFHSTEDPETVDKIQLVLHKLQDAVGPVKVDPHSHVKIKINKTETDSYLNHCCGTR 180  
DB 122 ICRFHSTEDPETVDKIQLVLHKLQDAVGPVKVDPHSHVKIKINKTETDSYLNHCCGTR 181  
QY 181 RSKTLGQSLRIVGTEVEGEWPMQASLQMDGSHRCGATLINATWLSAAHCFITYKNPA 240  
DB 182 RSKTLGQSLRIVGTEVEGEWPMQASLQMDGSHRCGATLINATWLSAAHCFITYKNPA 241  
QY 241 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
DB 242 RWTASFGVTIKPSKMKGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 301  
QY 301 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
DB 302 SYEFQPGDVMFVTGFGALKNDGYSQNHRLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDAQQDGGGGLVSSDARDIWLGIWVGDECAKPNKPGYTVTRVLTALRDWITSKT 420  
DB 362 LEGKTDAQQDGGGGLVSSDARDIWLGIWVGDECAKPNKPGYTVTRVLTALRDWITSKT 421  
QY 421 GI 422  
DB 422 GI 423  
RESULT 8  
AAB87578  
ID AAB87578 standard; protein; 423 AA.  
XX  
XX AAB87578;  
XX  
XX 15-MAY-2001 (first entry)  
XX  
XX Human PRO1461.  
DE  
XX Human; PRO protein; mapping.  
XX  
XX Homo sapiens.  
XX  
XX WO200116318-A2.  
XX  
XX 08-MAR-2001.  
XX  
XX 24-AUG-2000; 2000WO-US023328.  
XX  
XX 01-SEP-1999; 99WO-US020111.  
XX 15-SEP-1999; 99WO-US021090.  
XX 07-DEC-1999; 99US-0169495P.  
XX 09-DEC-1999; 99US-0170262P.  
XX 11-JAN-2000; 2000US-0175481P.  
XX 18-FEB-2000; 2000WO-US004341.  
XX 18-FEB-2000; 2000WO-US004342.  
XX 22-FEB-2000; 2000WO-US004414.  
XX 01-MAR-2000; 2000WO-US005601.  
XX 03-MAR-2000; 2000US-0187202P.  
XX 21-MAR-2000; 2000US-0191007P.  
XX 30-MAR-2000; 2000WO-US008439.  
XX 25-APR-2000; 2000US-0199397P.  
XX 22-MAY-2000; 2000WO-US014042.  
XX 05-JUN-2000; 2000US-0209832P.  
XX  
XX (GETH ) GENENTECH INC.  
XX  
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;  
PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;

XX WPI: 2001-183260/18.  
DR N-PSDB; AAF92110.  
XX Eighty four nucleic acids encoding PRO polypeptides, useful in molecular  
PT biology, including use as hybridization probes, and in chromosome and  
PT gene mapping.  
XX  
XX Claim 12; Fig 106; 278pp; English.  
XX  
XX The present sequence is a human PRO polypeptide (secreted and  
CC transmembrane). The PRO protein, and PRO agonists, PRO antagonists or  
CC anti-PRO antibodies are useful for preparation of a medicament useful in  
CC the treatment of a condition which is responsive to the PRO protein,  
CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be  
CC employed as molecular weight markers for protein electrophoresis. The PRO  
CC coding sequence has applications in molecular biology, including use as  
CC hybridisation probes, and in chromosome and gene mapping  
XX  
SQ Sequence 423 AA;  
Query Match 100.0%; Score 2265; DB 4; Length 423;  
Best Local Similarity 100.0%; Pred. No. 1.7e-195;  
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MYRPDVVRARKRCVCEPWVIGLVIFISLIVLAVCIGLTVHYVYNQKTYNYSTLSFTT 60  
Db |||||  
QY 2 MYRPDVVRARKRCVCEPWVIGLVIFISLIVLAVCIGLTVHYVYNQKTYNYSTLSFTT 61  
Db |||||  
QY 61 DKLYAERGREASNNFTMSQRLESWMVKNFYKSPLEEFVKQVIFKESQKHGVLAHMLL 120  
Db |||||  
QY 62 DKLYAERGREASNNFTMSQRLESWMVKNFYKSPLEEFVKQVIFKESQKHGVLAHMLL 121  
Db |||||  
QY 121 ICRFHSDEDPETVDKI VQLVHEKLQDAVGPVKVDPHSVKIKKINKTETDSYLNHCCTGR 180  
Db |||||  
QY 122 ICRFHSDEDPETVDKI VQLVHEKLQDAVGPVKVDPHSVKIKKINKTETDSYLNHCCTGR 181  
Db |||||  
QY 181 RSKTLGQSLRIVGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240  
Db |||||  
QY 182 RSKTLGQSLRIVGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 241  
Db |||||  
QY 241 RWTASFGVTIKPSQMKGLRRIIVHEKYKHPSHDYDSLAEKSPVYTNVAVHVCVLPDA 300  
Db |||||  
QY 242 RWTASFGVTIKPSQMKGLRRIIVHEKYKHPSHDYDSLAEKSPVYTNVAVHVCVLPDA 301  
Db |||||  
QY 301 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPQAYNDATTPRMLCAGS 360  
Db |||||  
QY 302 SYEFQPGDVMEVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPQAYNDATTPRMLCAGS 361  
Db |||||  
QY 361 LEGKTDACQDGGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 420  
Db |||||  
QY 362 LEGKTDACQDGGGGLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTALRDWITSKT 421  
QY 421 GI 422  
Db |||||  
QY 422 GI 423  
RESULT 9  
ABG95903  
ID ABG95903 standard; protein; 423 AA.  
XX  
AC ABG95903;  
XX  
DT 10-DEC-2002 (first entry)  
XX  
DE Human secreted/transmembrane protein PRO1461.  
XX  
KW Human; secreted protein; transmembrane protein; antirheumatic;  
KW antiarthritic; osteopathic; sports-related joint problem;  
KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.  
XX  
OS Homo sapiens.

XX US2002119130-A1.  
PN 29-AUG-2002.  
XX  
XX 06-DEC-2001; 2001US-00006867.  
XX  
XX 29-OCT-1997; 97US-0063435P.  
XX 29-OCT-1997; 97US-0064215P.  
XX 22-APR-1998; 98US-0082797P.  
XX 22-APR-1998; 98US-0083495P.  
XX 15-MAY-1998; 98US-0085579P.  
XX 02-JUN-1998; 98US-0087759P.  
XX 04-JUN-1998; 98US-0088021P.  
XX 04-JUN-1998; 98US-0088029P.  
XX 04-JUN-1998; 98US-0088030P.  
XX 10-JUN-1998; 98US-0088734P.  
XX 10-JUN-1998; 98US-0088740P.  
XX 10-JUN-1998; 98US-0088811P.  
XX 10-JUN-1998; 98US-0088824P.  
XX 10-JUN-1998; 98US-0088825P.  
XX 11-JUN-1998; 98US-0088863P.  
XX 12-JUN-1998; 98US-0089105P.  
XX 16-JUN-1998; 98US-0089514P.  
XX 17-JUN-1998; 98US-0089653P.  
XX 19-JUN-1998; 98US-0089952P.  
XX 22-JUN-1998; 98US-0090246P.  
XX 24-JUN-1998; 98US-0090444P.  
XX 25-JUN-1998; 98US-0090688P.  
XX 25-JUN-1998; 98US-0090896P.  
XX 26-JUN-1998; 98US-0090862P.  
XX 02-JUL-1998; 98US-0091628P.  
XX 10-AUG-1998; 98US-0096012P.  
XX 17-AUG-1998; 98US-0096757P.  
XX 18-AUG-1998; 98US-0096949P.  
XX 18-AUG-1998; 98US-0096959P.  
XX 28-AUG-1998; 98US-0097354P.  
XX 26-AUG-1998; 98US-0097971P.  
XX 26-AUG-1998; 98US-0097979P.  
XX 01-SEP-1998; 98US-0098749P.  
XX 10-SEP-1998; 98US-0099741P.  
XX 10-SEP-1998; 98US-0099763P.  
XX 10-SEP-1998; 98US-0099792P.  
XX 10-SEP-1998; 98US-0099812P.  
XX 10-SEP-1998; 98US-0099815P.  
XX 16-SEP-1998; 98US-0100627P.  
XX 16-SEP-1998; 98US-0100662P.  
XX 16-SEP-1998; 98WO-US019130.  
XX 17-SEP-1998; 98US-0100683P.  
XX 17-SEP-1998; 98US-0100684P.  
XX 17-SEP-1998; 98US-0100930P.  
XX 22-SEP-1998; 98US-0101279P.  
XX 23-SEP-1998; 98US-0101475P.  
XX 24-SEP-1998; 98US-0101738P.  
XX 24-SEP-1998; 98US-0101743P.  
XX 24-SEP-1998; 98US-0101916P.  
XX 30-SEP-1998; 98US-0102570P.  
XX 06-OCT-1998; 98US-0103449P.  
XX 08-MAR-1999; 99WO-US005028.  
XX 14-MAY-1999; 99WO-US010733.  
XX 02-JUN-1999; 99WO-US012252.  
XX 01-SEP-1999; 99WO-US020111.  
XX 15-SEP-1999; 99WO-US021090.  
XX 15-SEP-1999; 99WO-US021194.  
XX 22-DEC-1999; 99WO-US030720.  
XX 18-FEB-2000; 2000WO-US004341.  
XX 18-FEB-2000; 2000WO-US004342.  
XX 22-FEB-2000; 2000WO-US004414.  
XX 01-MAR-2000; 2000WO-US005601.  
XX 30-MAR-2000; 2000WO-US008439.  
XX 22-MAY-2000; 2000WO-US014042.  
XX 02-JUN-2000; 2000WO-US015264.  
XX 23-AUG-2000; 2000WO-US023522.

24-AUG-2000; 2000WO-US023328.  
10-NOV-2000; 2000WO-US030873.  
01-DEC-2000; 2000WO-US032378.  
20-DEC-2000; 2000WO-US034956.  
28-FEB-2001; 2001WO-US006520.  
01-MAR-2001; 2001WO-US006666.  
30-MAY-2001; 2001WO-US017443.  
01-JUN-2001; 2001WO-US017800.  
20-JUN-2001; 2001WO-US019692.  
29-JUN-2001; 2001WO-US021066.  
09-JUL-2001; 2001WO-US021735.  
(GETH ) GENENTECH INC.  
Raton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;  
Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;  
WPI; 2002-731348/79.  
N-PSDB; ABS74430.  
New isolated secreted and transmembrane PRO polypeptide useful for  
modulating biological activity of a cell, or for treating sports-related  
joint problems, osteoarthritis or rheumatoid arthritis.  
Claim 20; Fig 106; 399pp; English.  
The invention relates to an isolated secreted and transmembrane PRO  
polypeptide having 80 % sequence identity to a sequence appearing as  
ABG5851-ABG5934 or their associated signal peptide, or a sequence of an  
extracellular domain of the proteins with their associated signal peptide  
or lacking its associated signal peptide. Also included are the nucleic  
acids encoding the proteins, vectors, host cells, fusion proteins and  
antibodies which specifically bind to the proteins. The proteins are  
useful for detecting a polypeptide designated as A, B, C or D in a sample  
suspected of containing an A, B, C or D polypeptide, by contacting the  
sample with a polypeptide designated as E, F, G, H or I (or vice versa)  
and determining the formation of a A/E, B/F, G/G, C/H or D/I polypeptide  
conjugate in the sample, where the formation of the conjugate is  
indicative of the presence of an A, B, C or D polypeptide in the sample,  
where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a  
PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO3801  
polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a  
PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises  
a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G,  
H or I polypeptide is labeled with a detectable label or is attached to a  
solid support. The proteins are useful for linking a bioactive molecule  
to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,  
H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.  
The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,  
or I, or antibodies against them are useful for modulating a biological  
activity of a cell expressing a polypeptide designated as A, B, C or D or  
E, F, G, H, or I. The cell is killed. The proteins are useful for  
identifying agonists or antagonists, for the preparation of a medicament  
useful in the treatment of a condition which is responsive to the  
proteins, as molecular weight markers for protein electrophoresis  
purposes, and as therapeutic agents for treating sports-related joint  
problems, articular cartilage defects, osteoarthritis or rheumatoid  
arthritis. Nucleic acids encoding the proteins are useful as  
hybridisation probes, in chromosome and gene mapping, in the generation  
of anti-sense RNA and DNA, for the preparation of the proteins, to  
generate transgenic or knockout animals which are useful in the  
development and screening of therapeutic useful reagents, for chromosome  
identification, and in gene therapy. The antibody is useful as a  
therapeutic agent, in a diagnostic assay and for affinity purification of  
the protein from recombinant cell culture natural sources. The present  
invention represents a novel secreted or transmembrane protein of the

Sequence 423 AA;

Query Match 100.0%; Score 2265; DB 5; Length 423;  
Best Local Similarity 100.0%; Pred. NO. 1.7e-195;  
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVCIGLTVHYVRYNOKKTYNYSTLSFTT 60  
DB 2 MYRPDVVRARKVCWEPWIGLVIFISLIVLAVCIGLTVHYVRYNOKKTYNYSTLSFTT 61  
QY 61 DKLYAFGREGASNNFTMSORLESVMYKNAFYKSPLEEFVKSQVIKFSQOKHGVLAHMLL 120  
DB 62 DKLYAFGREGASNNFTMSORLESVMYKNAFYKSPLEEFVKSQVIKFSQOKHGVLAHMLL 121  
QY 121 ICRFHSTEDPETVDKIVQLVLEHEKQDVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180  
DB 122 ICRFHSTEDPETVDKIVQLVLEHEKQDVGPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181  
QY 181 RSKTLQCSLRIVGGTEVERGEWEPQASLOWGSHRCGATLINATWLVSAAHCFPTYKNPA 240  
DB 182 RSKTLQCSLRIVGGTEVERGEWEPQASLOWGSHRCGATLINATWLVSAAHCFPTYKNPA 241  
QY 241 RWTASFGVTIKPSKMKRGLRRIIVHBKYPHSDYDYSIAELSSPPYTNVHRVCLPDA 300  
DB 242 RWTASFGVTIKPSKMKRGLRRIIVHBKYPHSDYDYSIAELSSPPYTNVHRVCLPDA 301  
QY 301 SYEFQPDYMFVTGFGALKNDGYSONHLRQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 360  
DB 302 SYEFQPDYMFVTGFGALKNDGYSONHLRQAOVTLIDATTCNEPOAYNDAITPRMLCAGS 361  
QY 361 LEGKTDACQDSDGGLVSSDARDIWIYLAGIVSWGDECAKPNKGVYTRVTAIRDWITSKT 420  
DB 362 LEGKTDACQDSDGGLVSSDARDIWIYLAGIVSWGDECAKPNKGVYTRVTAIRDWITSKT 421  
QY 421 GI 422  
DB 422 GI 423  
RESULT 10  
ABP43883  
ID ABP43883 standard; protein; 423 AA.  
XX  
AC ABP43883;  
XX  
DT 26-FEB-2003 (first entry)  
XX Human PRO1451 protein.  
XX  
DE  
XX Neuroprotective; immunomodulator; cancer; chromosome 4; cytostatic;  
XX anti-inflammatory; gene therapy; nutritional supplement; wound; burn;  
XX ulcer; Alzheimer's disease; Huntington's disease;  
XX amyotrophic lateral sclerosis; autoimmune disorder; inflammation;  
XX vulnerability.  
XX Homo sapiens.  
XX WO200231111-A2.  
XX  
PD 18-APR-2002.  
XX  
PF 11-OCT-2001; 2001WO-US027760.  
XX  
PR 12-OCT-2000; 2000US-00687527.  
XX  
PA (HYSE-) HYSEQ INC.  
XX  
PI Tang YT, Liu C, Zhou P, Asundi V, Zhang J, Zhao QA, Ren F;  
PI Xue AJ, Yang Y, Wehrman T, Drmanac RT;  
XX WPI; 2002-426278/45.  
DR N-PSDB; ABQ61127.  
XX  
XX New polypeptides and their encoded proteins, useful as nutritional  
XX sources or supplements, or in gene therapy, particularly for treating  
XX wounds, Alzheimer's disease, amyotrophic lateral sclerosis, cancer or  
XX inflammation.

PS Claim 20; SEQ ID # 786; 357pp + Sequence Listing; English.

XX The invention relates to 446 newly isolated polynucleotide sequences. The

CC activity of polynucleotides of the invention may be described as,

CC vulnary, neuroprotective, immunomodulator, cytostatic and anti-

CC inflammatory. Compositions comprising nucleic acids of the invention are

CC useful for treating a mammalian subject, or as nutritional sources or

CC supplements. These are useful in gene therapy, particularly for treating

CC wounds, burns or ulcers, Alzheimer's disease, Huntington's disease,

CC amyotrophic lateral sclerosis, autoimmune disorders, cancer or

CC inflammation. The nucleic acids and polypeptides are also useful in

CC diagnostic and research methods. The sequences given in records ABP43544-

CC ABP43989 represent polypeptides encoded by polynucleotides of the

CC invention. NOTE: The sequence data for this patent did not form part of

CC the printed specification, but was obtained in electronic format directly

CC from WIPO at ftp.wipo.int/pub/published\_pct\_sequences

XX

SQ Sequence 423 AA;

Query Match 100.0%; Score 2265; DB 5; Length 423;

Best Local Similarity 100.0%; Pred. No. 1-7e-195;

Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MYRDPVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLVHYVRVYQKKTNYSTLSFTT 60

Db 2 MYRDPVVRARKRVCWEPWVIGLVIFISLIVLAVCIGLVHYVRVYQKKTNYSTLSFTT 61

Qy 61 DKLYAEFGREASNNFTMSQLESWKNVAFYKSLPREEFVKSOVKPSQQKHGVLAHMLL 120

Db 62 DKLYAEFGREASNNFTMSQLESWKNVAFYKSLPREEFVKSOVKPSQQKHGVLAHMLL 121

Qy 121 ICRFHSTEDPTVDKIVQLVLEHKLQDVGPPKVDPHSVKIKKINKTETSYLNHCCGTR 180

Db 122 ICRFHSTEDPTVDKIVQLVLEHKLQDVGPPKVDPHSVKIKKINKTETSYLNHCCGTR 181

Qy 181 RSKTLGQSLRIVGGTEVEEGWPPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240

Db 182 RSKTLGQSLRIVGGTEVEEGWPPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 241

Qy 241 RWTASFGVTIKPSKMKGLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300

Db 242 RWTASFGVTIKPSKMKGLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301

Qy 301 SYEFQPGDMFVTGFGALKNDGYSQNLHRLQAVTLIDATTCTNEPQAYNDATTPRMLCAGS 360

Db 302 SYEFQPGDMFVTGFGALKNDGYSQNLHRLQAVTLIDATTCTNEPQAYNDATTPRMLCAGS 361

Qy 361 LEGKTDACQSGSGPLVSSDARDIWLGIAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 420

Db 362 LEGKTDACQSGSGPLVSSDARDIWLGIAGIVSWGDECAKPNKPGVYTRVTRALRDWITSKT 421

Qy 421 GI 422

Db 422 GI 423

RESULT 11

ABU58559

ID ABU58559 standard; protein; 423 AA.

XX

AC ABU58559;

XX

DT 15-APR-2003 (first entry)

XX

DE Human PRO polypeptide #160.

XX

KW Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;

KW dog; cat; cow; horse; sheep; pig; goat; rabbit; ADEPT;

XX antibody-dependent enzyme mediated prodrug therapy.

OS Homo sapiens.

XX

FN US2003027272-A1.

XX

PD 06-FEB-2003.

XX

PF 21-JUN-2002; 2002US-00176492.

XX

PR 18-SEP-1997; 97US-0059263P.

PR 18-SEP-1997; 97US-0059266P.

PR 17-OCT-1997; 97US-0062250P.

PR 21-OCT-1997; 97US-0063486P.

PR 24-OCT-1997; 97US-0063120P.

PR 24-OCT-1997; 97US-0063121P.

PR 28-OCT-1997; 97US-0063540P.

PR 28-OCT-1997; 97US-0063541P.

PR 28-OCT-1997; 97US-0063544P.

PR 28-OCT-1997; 97US-0063564P.

PR 29-OCT-1997; 97US-0063734P.

PR 31-OCT-1997; 97US-0063870P.

PR 31-OCT-1997; 97US-0064103P.

PR 13-NOV-1997; 97US-0065311P.

PR 21-NOV-1997; 97US-0066120P.

PR 24-NOV-1997; 97US-0066466P.

PR 24-NOV-1997; 97US-0066772P.

PR 11-DEC-1997; 97US-0069335P.

PR 12-DEC-1997; 97US-0069425P.

PR 17-DEC-1997; 97US-0069870P.

PR 18-DEC-1997; 97US-0068017P.

PR 10-MAR-1998; 98US-0077450P.

PR 11-MAR-1998; 98US-0077632P.

PR 11-MAR-1998; 98US-0077649P.

PR 20-MAR-1998; 98US-0078866P.

PR 20-MAR-1998; 98US-0078939P.

PR 27-MAR-1998; 98US-0079664P.

PR 31-MAR-1998; 98US-0080107P.

PR 31-MAR-1998; 98US-0080194P.

PR 01-APR-1998; 98US-0080327P.

PR 01-APR-1998; 98US-0080333P.

PR 08-APR-1998; 98US-0081049P.

PR 08-APR-1998; 98US-0081070P.

PR 09-APR-1998; 98US-0081195P.

PR 15-APR-1998; 98US-0081838P.

PR 21-APR-1998; 98US-0082568P.

PR 21-APR-1998; 98US-0082569P.

PR 22-APR-1998; 98US-0082704P.

PR 22-APR-1998; 98US-0082797P.

PR 28-APR-1998; 98US-0083322P.

PR 29-APR-1998; 98US-0083495P.

PR 29-APR-1998; 98US-0083496P.

PR 29-APR-1998; 98US-0083499P.

PR 29-APR-1998; 98US-0083559P.

PR 05-MAY-1998; 98US-0084366P.

PR 07-MAY-1998; 98US-0084414P.

PR 07-MAY-1998; 98US-0084639P.

PR 07-MAY-1998; 98US-0084640P.

PR 07-MAY-1998; 98US-0084643P.

PR 15-MAY-1998; 98US-0085579P.

PR 15-MAY-1998; 98US-0085580P.

PR 15-MAY-1998; 98US-0085582P.

PR 18-MAY-1998; 98US-0085700P.

PR 18-MAY-1998; 98US-0086023P.

PR 22-MAY-1998; 98US-0086392P.

PR 22-MAY-1998; 98US-0086486P.

PR 28-MAY-1998; 98US-0087098P.

PR 28-MAY-1998; 98US-0087208P.

PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.

PR 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088029P.

PR 04-JUN-1998; 98US-0088033P.

PR 04-JUN-1998; 98US-0088326P.

PR 05-JUN-1998; 98US-0088167P.



PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088722P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088740P.  
PR 10-JUN-1998; 98US-0088811P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088825P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088863P.  
PR 11-JUN-1998; 98US-0088876P.  
PR 12-JUN-1998; 98US-0088909P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 16-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089952P.  
PR 22-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
PR 22-JUN-1998; 98US-0090254P.  
PR 24-JUN-1998; 98US-0090429P.  
PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090461P.  
PR 24-JUN-1998; 98US-0090535P.  
PR 24-JUN-1998; 98US-0090540P.  
PR 25-JUN-1998; 98US-0090676P.  
PR 25-JUN-1998; 98US-0090678P.  
PR 25-JUN-1998; 98US-0090688P.  
PR 25-JUN-1998; 98US-0090690P.  
PR 25-JUN-1998; 98US-0090694P.  
PR 25-JUN-1998; 98US-0090695P.  
PR 25-JUN-1998; 98US-0090696P.  
PR 26-JUN-1998; 98US-00105413.  
PR 26-JUN-1998; 98US-0090862P.  
PR 26-JUN-1998; 98US-0090863P.  
PR 26-JUN-1998; 98US-0091010P.  
PR 01-JUL-1998; 98US-0091359P.  
PR 01-JUL-1998; 98US-0091544P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091486P.  
PR 02-JUL-1998; 98US-0091626P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091632P.  
PR 24-JUL-1998; 98US-0094006P.  
PR 04-AUG-1998; 98US-0095282P.  
PR 10-AUG-1998; 98US-0095998P.  
PR 10-AUG-1998; 98US-0096012P.  
PR 17-AUG-1998; 98US-0096757P.  
PR 17-AUG-1998; 98US-0096766P.  
PR 17-AUG-1998; 98US-0096867P.  
PR 17-AUG-1998; 98US-0096891P.  
PR 17-AUG-1998; 98US-0096897P.  
PR 18-AUG-1998; 98US-0096949P.  
PR 18-AUG-1998; 98US-0096959P.  
PR 18-AUG-1998; 98US-0097022P.  
PR 26-AUG-1998; 98US-0097952P.  
PR 26-AUG-1998; 98US-0097954P.  
PR 26-AUG-1998; 98US-0097955P.  
PR 26-AUG-1998; 98US-0097971P.  
PR 26-AUG-1998; 98US-0097974P.  
PR 26-AUG-1998; 98US-0098014P.  
PR 01-SEP-1998; 98US-0098716P.  
PR 01-SEP-1998; 98US-0098723P.  
PR 02-SEP-1998; 98US-0098803P.  
PR 02-SEP-1998; 98US-0098821P.  
PR 02-SEP-1998; 98US-0098843P.

PR 09-SEP-1998; 98US-0099602P.  
PR 10-SEP-1998; 98US-0099741P.  
PR 10-SEP-1998; 98US-0099754P.  
PR 10-SEP-1998; 98US-0099763P.  
PR 10-SEP-1998; 98US-00999812P.  
PR 15-SEP-1998; 98US-0100388P.  
PR 16-SEP-1998; 98US-0100662P.  
PR 16-SEP-1998; 98US-0100664P.  
PR 16-SEP-1998; 98US-0101751P.  
PR 16-SEP-1998; 98US-0101751P.  
PR 16-SEP-1998; 98US-0101751P.  
PR 17-SEP-1998; 98US-0100683P.  
PR 17-SEP-1998; 98US-0100684P.  
PR 17-SEP-1998; 98US-0100919P.  
PR 17-SEP-1998; 98US-0100930P.  
PR 18-SEP-1998; 98US-0100849P.  
PR 18-SEP-1998; 98US-0101014P.  
PR 18-SEP-1998; 98US-0101068P.  
PR 23-SEP-1998; 98US-0101471P.  
PR 23-SEP-1998; 98US-0101472P.  
PR 23-SEP-1998; 98US-0101475P.  
PR 23-SEP-1998; 98US-0101477P.  
PR 24-SEP-1998; 98US-0101738P.  
PR 24-SEP-1998; 98US-0101739P.  
PR 24-SEP-1998; 98US-0101743P.  
PR 24-SEP-1998; 98US-0101922P.  
PR 25-SEP-1998; 98US-0101786P.  
PR 25-SEP-1998; 98US-0102207P.  
PR 25-SEP-1998; 98US-0102240P.  
PR 25-SEP-1998; 98US-0102330P.  
PR 25-SEP-1998; 98US-0102331P.  
PR 29-SEP-1998; 98US-0102331P.  
PR 30-SEP-1998; 98US-0102487P.  
PR 30-SEP-1998; 98US-0102570P.  
PR 30-SEP-1998; 98US-0102571P.  
PR 30-SEP-1998; 98US-0102684P.  
PR 01-OCT-1998; 98US-0102687P.  
PR 01-OCT-1998; 98US-0102965P.  
PR 02-OCT-1998; 98US-0103258P.  
PR 06-OCT-1998; 98US-0103258P.  
PR 06-OCT-1998; 98US-0103449P.  
PR 07-OCT-1998; 98US-00168978.

Query Match 100.0%; Score 2265; DB 6; Length 423;

Best Local Similarity 100.0%; Pred. No. 1.7e-195; Mismatches 0; Indels 0; Gaps 0;

Matches 422; Conservative 0;

Qy 1 MYRDPVVRARVRCVCEPWVIGLVIFSLIVLAVCIGLVTHVYRNVQKKNYKXSTLSFTT 60  
Db 2 MYRDPVVRARVRCVCEPWVIGLVIFSLIVLAVCIGLVTHVYRNVQKKNYKXSTLSFTT 61  
Qy 61 DKLYAEFGREASNNFTMSQRLSWMVKNFYKSPLEEFVKQSQVIFKFSQKHGVLAHMLL 120  
Db 62 DKLYAEFGREASNNFTMSQRLSWMVKNFYKSPLEEFVKQSQVIFKFSQKHGVLAHMLL 121  
Qy 121 ICRFHSTEDPETVDKIIVOLVHLHEKLODAGVPPKVDPHSVKIKKINKTETDSYLNHCCGTR 180  
Db 122 ICRFHSTEDPETVDKIIVOLVHLHEKLODAGVPPKVDPHSVKIKKINKTETDSYLNHCCGTR 181  
Qy 181 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 240  
Db 182 RSKTLGOSLRIVGGTEVEEGEWPQASLOWDGSRCGATLINATWLVSAAHCFTTYKNPA 241  
Qy 241 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 300  
Db 242 RWTASFGVTIKPSKMKRGLRRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA 301  
Qy 301 SYEFQPGDVMEVTCFGALKNDGYSONHLROAQVTLIDATTCNEFQAYNDALTPRMLCAGS 360  
Db 302 SYEFQPGDVMEVTCFGALKNDGYSONHLROAQVTLIDATTCNEFQAYNDALTPRMLCAGS 361  
Qy 361 LEGKTDACQDGGGGLVSSDARDIWLAYLIGVSWGDECAKPNKPGVYTRVTLRDWITSKT 420  
Db 362 LEGKTDACQDGGGGLVSSDARDIWLAYLIGVSWGDECAKPNKPGVYTRVTLRDWITSKT 421  
Qy 421 GI 422

Db 422 GI 423

RESULT 12  
ABU88107  
ABU88107 standard; protein; 423 AA.

XX AC ABU88107;  
XX DT 07-JUL-2003 (first entry)  
XX DE Novel human secreted and transmembrane protein PRO1461.  
XX KW Human; secreted and transmembrane protein; PRO; gene therapy;  
KW tumour necrosis factor-alpha release; TNF-alpha release;  
KW chondrocyte proliferation; chondrocyte differentiation; tumour;  
KW adrenal tumour; lung tumour; colon tumour; breast tumour;  
KW prostate tumour; rectal tumour; cervical tumour; liver tumour.  
XX OS Homo sapiens.  
XX PN US2003032127-A1.  
XX PD 13-FEB-2003.  
XX PF 26-JUN-2002; 2002US-00183012.  
XX PR 18-SEP-1997; 97US-0059263P.  
PR 18-SEP-1997; 97US-0059266P.  
PR 17-OCT-1997; 97US-0062250P.  
PR 21-OCT-1997; 97US-0063486P.  
PR 24-OCT-1997; 97US-0063120P.  
PR 24-OCT-1997; 97US-0063121P.  
PR 28-OCT-1997; 97US-0063540P.  
PR 28-OCT-1997; 97US-0063541P.  
PR 28-OCT-1997; 97US-0063544P.  
PR 28-OCT-1997; 97US-0063564P.  
PR 29-OCT-1997; 97US-0063734P.  
PR 31-OCT-1997; 97US-0063870P.  
PR 31-OCT-1997; 97US-0064103P.  
PR 13-NOV-1997; 97US-0085311P.  
PR 21-NOV-1997; 97US-0066120P.  
PR 24-NOV-1997; 97US-0066466P.  
PR 11-DEC-1997; 97US-0066772P.  
PR 12-DEC-1997; 97US-0069435P.  
PR 17-DEC-1997; 97US-0069870P.  
PR 18-DEC-1997; 97US-0068017P.  
PR 10-MAR-1998; 98US-0077450P.  
PR 11-MAR-1998; 98US-0077632P.  
PR 11-MAR-1998; 98US-0077649P.  
PR 20-MAR-1998; 98US-0078886P.  
PR 20-MAR-1998; 98US-0078939P.  
PR 27-MAR-1998; 98US-0079664P.  
PR 27-MAR-1998; 98US-0079786P.  
PR 31-MAR-1998; 98US-0080107P.  
PR 31-MAR-1998; 98US-0080194P.  
PR 01-APR-1998; 98US-0080327P.  
PR 01-APR-1998; 98US-0080333P.  
PR 08-APR-1998; 98US-0081049P.  
PR 08-APR-1998; 98US-0081070P.  
PR 09-APR-1998; 98US-0081195P.  
PR 15-APR-1998; 98US-0081838P.  
PR 21-APR-1998; 98US-0082568P.  
PR 21-APR-1998; 98US-0082569P.  
PR 22-APR-1998; 98US-0082704P.  
PR 22-APR-1998; 98US-0082797P.  
PR 28-APR-1998; 98US-0083322P.  
PR 29-APR-1998; 98US-0083495P.  
PR 29-APR-1998; 98US-0083496P.  
PR 29-APR-1998; 98US-0083499P.  
PR 29-APR-1998; 98US-0083559P.

PR 05-MAY-1998; 98US-0084366P.  
PR 06-MAY-1998; 98US-0084414P.  
PR 07-MAY-1998; 98US-0084639P.  
PR 07-MAY-1998; 98US-0084640P.  
PR 07-MAY-1998; 98US-0084643P.  
PR 15-MAY-1998; 98US-0085579P.  
PR 15-MAY-1998; 98US-0085580P.  
PR 15-MAY-1998; 98US-0085582P.  
PR 15-MAY-1998; 98US-0085700P.  
PR 18-MAY-1998; 98US-0086023P.  
PR 22-MAY-1998; 98US-0086392P.  
PR 22-MAY-1998; 98US-0086486P.  
PR 28-MAY-1998; 98US-0087098P.  
PR 28-MAY-1998; 98US-0087208P.  
PR 02-JUN-1998; 98US-0087609P.  
PR 02-JUN-1998; 98US-0087759P.  
PR 03-JUN-1998; 98US-0087827P.  
PR 04-JUN-1998; 98US-0088025P.  
PR 04-JUN-1998; 98US-0088028P.  
PR 04-JUN-1998; 98US-0088029P.  
PR 04-JUN-1998; 98US-0088033P.  
PR 04-JUN-1998; 98US-0088326P.  
PR 05-JUN-1998; 98US-0088167P.  
PR 05-JUN-1998; 98US-0088202P.  
PR 05-JUN-1998; 98US-0088212P.  
PR 05-JUN-1998; 98US-0088217P.  
PR 09-JUN-1998; 98US-0088655P.  
PR 10-JUN-1998; 98US-0088722P.  
PR 10-JUN-1998; 98US-0088738P.  
PR 10-JUN-1998; 98US-0088740P.  
PR 10-JUN-1998; 98US-0088811P.  
PR 10-JUN-1998; 98US-0088824P.  
PR 10-JUN-1998; 98US-0088825P.  
PR 10-JUN-1998; 98US-0088826P.  
PR 11-JUN-1998; 98US-0088861P.  
PR 11-JUN-1998; 98US-0088863P.  
PR 11-JUN-1998; 98US-0088876P.  
PR 11-JUN-1998; 98US-0088909P.  
PR 12-JUN-1998; 98US-0089105P.  
PR 12-JUN-1998; 98US-0089512P.  
PR 16-JUN-1998; 98US-0089514P.  
PR 17-JUN-1998; 98US-0089538P.  
PR 17-JUN-1998; 98US-0089598P.  
PR 17-JUN-1998; 98US-0089653P.  
PR 18-JUN-1998; 98US-0089908P.  
PR 19-JUN-1998; 98US-0089952P.  
PR 22-JUN-1998; 98US-0090246P.  
PR 22-JUN-1998; 98US-0090252P.  
PR 22-JUN-1998; 98US-0090254P.  
PR 24-JUN-1998; 98US-0090429P.  
PR 24-JUN-1998; 98US-0090435P.  
PR 24-JUN-1998; 98US-0090444P.  
PR 24-JUN-1998; 98US-0090461P.  
PR 24-JUN-1998; 98US-0090535P.  
PR 24-JUN-1998; 98US-0090540P.  
PR 25-JUN-1998; 98US-0090676P.  
PR 25-JUN-1998; 98US-0090678P.  
PR 25-JUN-1998; 98US-0090688P.  
PR 25-JUN-1998; 98US-0090690P.  
PR 25-JUN-1998; 98US-0090694P.  
PR 25-JUN-1998; 98US-0090695P.  
PR 25-JUN-1998; 98US-0090696P.  
PR 26-JUN-1998; 98US-00105413.  
PR 26-JUN-1998; 98US-0090862P.  
PR 26-JUN-1998; 98US-0090863P.  
PR 26-JUN-1998; 98US-0091010P.  
PR 01-JUL-1998; 98US-0091359P.  
PR 01-JUL-1998; 98US-0091544P.  
PR 02-JUL-1998; 98US-0091478P.  
PR 02-JUL-1998; 98US-0091486P.  
PR 02-JUL-1998; 98US-0091626P.  
PR 02-JUL-1998; 98US-0091628P.  
PR 02-JUL-1998; 98US-0091632P.



PR	27-MAR-1998	98US-00736644
PR	27-MAR-1998	98US-0079786P
PR	31-MAR-1998	98US-00801706P
PR	31-MAR-1998	98US-0080194P
PR	01-APR-1998	98US-0080327P
PR	01-APR-1998	98US-0080333P
PR	08-APR-1998	98US-0081049P
PR	08-APR-1998	98US-0081070P
PR	15-APR-1998	98US-0081195P
PR	21-APR-1998	98US-0081838P
PR	21-APR-1998	98US-0082569P
PR	22-APR-1998	98US-0082704P
PR	22-APR-1998	98US-0082797P
PR	28-APR-1998	98US-0083322P
PR	29-APR-1998	98US-0083495P
PR	29-APR-1998	98US-0083496P
PR	29-APR-1998	98US-0083499P
PR	29-APR-1998	98US-0083559P
PR	05-MAY-1998	98US-0084366P
PR	06-MAY-1998	98US-0084414P
PR	07-MAY-1998	98US-0084639P
PR	07-MAY-1998	98US-0084640P
PR	07-MAY-1998	98US-0084643P
PR	15-MAY-1998	98US-0085579P
PR	15-MAY-1998	98US-0085580P
PR	15-MAY-1998	98US-0085582P
PR	18-MAY-1998	98US-0086700P
PR	22-MAY-1998	98US-00868023P
PR	22-MAY-1998	98US-0086832P
PR	28-MAY-1998	98US-0086486P
PR	28-MAY-1998	98US-0087098P
PR	02-JUN-1998	98US-0087208P
PR	02-JUN-1998	98US-0087609P
PR	03-JUN-1998	98US-0087759P
PR	04-JUN-1998	98US-0087827P
PR	04-JUN-1998	98US-0088025P
PR	04-JUN-1998	98US-0088028P
PR	04-JUN-1998	98US-0088029P
PR	04-JUN-1998	98US-0088033P
PR	04-JUN-1998	98US-0088326P
PR	05-JUN-1998	98US-0088167P
PR	05-JUN-1998	98US-0088202P
PR	05-JUN-1998	98US-0088212P
PR	05-JUN-1998	98US-0088217P
PR	09-JUN-1998	98US-0088655P
PR	10-JUN-1998	98US-0088722P
PR	10-JUN-1998	98US-0088738P
PR	10-JUN-1998	98US-0088740P
PR	10-JUN-1998	98US-0088811P
PR	10-JUN-1998	98US-0088824P
PR	10-JUN-1998	98US-0088825P
PR	10-JUN-1998	98US-0088826P
PR	11-JUN-1998	98US-0088861P
PR	11-JUN-1998	98US-0088863P
PR	11-JUN-1998	98US-0088876P
PR	12-JUN-1998	98US-0089090P
PR	12-JUN-1998	98US-0089105P
PR	16-JUN-1998	98US-0089514P
PR	16-JUN-1998	98US-0089538P
PR	17-JUN-1998	98US-0089598P
PR	17-JUN-1998	98US-0089653P
PR	18-JUN-1998	98US-0089908P
PR	19-JUN-1998	98US-0089952P
PR	22-JUN-1998	98US-0090246P
PR	22-JUN-1998	98US-0090252P
PR	22-JUN-1998	98US-0090254P
PR	24-JUN-1998	98US-0090435P
PR	24-JUN-1998	98US-0090444P
PR	24-JUN-1998	98US-0090461P
PR	24-JUN-1998	98US-0090535P

PR	30-SEP-1998;	98US-0102570P.
PR	30-SEP-1998;	98US-0102571P.
PR	01-OCT-1998;	98US-0102684P.
PR	01-OCT-1998;	98US-0102687P.
PR	02-OCT-1998;	98US-0102965P.
PR	06-OCT-1998;	98US-0103258P.
PR	08-OCT-1998;	98US-0103449P.
PR	07-OCT-1998;	98US-00168978.
Query Match            100.0%; Score 2265; DB 6; Length 423;		
Best Local Similarity   100.0%; Pred. No. 1.7e-195;		
Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;		
QY	1	MYRPDVVRARRKVCWEPWIGLVIFISLIIVLAVCIGLTWHVYRVNOKTNYISTLSFTT 60
DB	2	MYRPDVVRARRKVCWEPWIGLVIFISLIIVLAVCIGLTWHVYRVNOKTNYISTLSFTT 61
QY	61	DKLYAEFGREASNNFTMSQRLESWMVNNAFYKSPLEEFVKSQVIKFSQQKHGVLAHMLL 120
DB	62	DKLYAEFGREASNNFTMSQRLESWMVNNAFYKSPLEEFVKSQVIKFSQQKHGVLAHMLL 121
QY	121	ICRPHSTEDPETVDKIQLVOLVLUHEKLQDAVGPPKVDPHSVKIKNKTKETDSYLHCCGTR 180
DB	122	ICRPHSTEDPETVDKIQLVOLVLUHEKLQDAVGPPKVDPHSVKIKNKTKETDSYLHCCGTR 181
QY	181	RSKTLGSLRLTVGGTEVEEGWPWCASIQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 240
DB	182	RSKTLGSLRLTVGGTEVEEGWPWCASIQWDGSHRCGATLINATWLVSAAHCFTTYKNPA 241
QY	241	RWTASFVGTIKPSKMKGRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 300
DB	242	RWTASFVGTIKPSKMKGRLRIIVHEKYKHPSHDYDISLAELSSPVPTNAVHRVCLPDA 301
QY	301	SYEQPGDVMFVTGALKNDGYSONHLROAQVTLLIDATTCNEPOAYNDAITPRMLCAGS 360
DB	302	SYEQPGDVMFVTGALKNDGYSONHLROAQVTLLIDATTCNEPOAYNDAITPRMLCAGS 361
QY	361	LEGKTDAQCGSGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLRDWITSKT 420
DB	362	LEGKTDAQCGSGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLRDWITSKT 421
QY	421	GI 422
DB	422	GI 423
RESULT 14		
ABR66296		
ID	ABR66296 standard; protein; 423 AA.	
XX		
AC	ABR66296;	
XX		
DT	05-AUG-2003 (first entry)	
XX		
DE	Human secreted polypeptide PRO1461, SEQ ID NO:320.	
XX		
KW	Human; PRO; secreted protein; transmembrane protein;	
KW	extracellular domain; tumour necrosis factor-alpha; TNF-alpha;	
KW	chondrocyte; proliferation; differentiation; cartilage disorder;	
KW	bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;	
KW	adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;	
KW	liver; drug screening; transgenic animal; genetic analysis;	
KW	antiarthritic; vulnerary; gene therapy.	
XX		
OS	Homo sapiens.	
XX		
PN	US2003027278-A1.	
XX		
PD	06-FEB-2003.	
XX		
PF	21-JUN-2002; 2002US-00176987.	
XX		
PR	18-SEP-1997; 97US-0059263P.	





PR	17-AUG-1998;	98US-0096897P.	PR	242	RWTASFGVTIKPSKMKRGLRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA	301
PR	18-AUG-1998;	98US-0096949P.	QY	301	SYEFQPGDVMFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	360
PR	18-AUG-1998;	98US-0096959P.	Db	302	SYEFQPGDVMFVTGFGALKNDGYSONHLRQAQVTLIDATTCNEPOAYNDAITPRMLCAGS	361
PR	18-AUG-1998;	98US-0097022P.	QY	361	LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLALRDMITSKT	420
PR	26-AUG-1998;	98US-0097952P.	Db	362	LEGKTDACQDGGPLVSSDARDIWLAGIVSWGDECAKPNKPGVYTRVTLALRDMITSKT	421
PR	26-AUG-1998;	98US-0097954P.	QY	421	GI	422
PR	26-AUG-1998;	98US-0097955P.	Db	422	GI	423
PR	26-AUG-1998;	98US-0097971P.				
PR	26-AUG-1998;	98US-0097974P.				
PR	26-AUG-1998;	98US-0098014P.				
PR	01-SEP-1998;	98US-0098716P.				
PR	01-SEP-1998;	98US-0098723P.				
PR	02-SEP-1998;	98US-0098803P.				
PR	02-SEP-1998;	98US-0098821P.				
PR	02-SEP-1998;	98US-0098843P.				
PR	09-SEP-1998;	98US-0099602P.				
PR	10-SEP-1998;	98US-0099741P.				
PR	10-SEP-1998;	98US-0099754P.				
PR	10-SEP-1998;	98US-0099763P.				
PR	10-SEP-1998;	98US-0099812P.				
PR	15-SEP-1998;	98US-0100388P.				
PR	16-SEP-1998;	98US-0100662P.				
PR	16-SEP-1998;	98US-0100664P.				
PR	16-SEP-1998;	98US-0101751P.				
PR	16-SEP-1998;	98WO-US019330.				
PR	17-SEP-1998;	98US-0100683P.				
PR	17-SEP-1998;	98US-0100684P.				
PR	17-SEP-1998;	98US-0100919P.				
PR	17-SEP-1998;	98US-0100930P.				
PR	18-SEP-1998;	98US-0100849P.				
PR	18-SEP-1998;	98US-0101014P.				
PR	18-SEP-1998;	98US-0101068P.				
PR	23-SEP-1998;	98US-0101471P.				
PR	23-SEP-1998;	98US-0101472P.				
PR	23-SEP-1998;	98US-0101475P.				
PR	23-SEP-1998;	98US-0101477P.				
PR	24-SEP-1998;	98US-0101738P.				
PR	24-SEP-1998;	98US-0101739P.				
PR	24-SEP-1998;	98US-0101743P.				
PR	24-SEP-1998;	98US-0101922P.				
PR	25-SEP-1998;	98US-0101786P.				
PR	29-SEP-1998;	98US-0102207P.				
PR	29-SEP-1998;	98US-0102240P.				
PR	29-SEP-1998;	98US-0102330P.				
PR	29-SEP-1998;	98US-0102331P.				
PR	30-SEP-1998;	98US-0102487P.				
PR	30-SEP-1998;	98US-0102570P.				
PR	30-SEP-1998;	98US-0102571P.				
PR	01-OCT-1998;	98US-0102684P.				
PR	01-OCT-1998;	98US-0102687P.				

Query Match 100.0%; Score 2265; DB 6; Length 423;

Best Local Similarity 100.0%; Pred. No. 1.7e-195;

Matches 422; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MYRDPVVRARKVRCWEPWIGLVIFISLIVLAVCGILTVHYVRNQNKTNYSTLSFTT	60
Db	2	MYRDPVVRARKVRCWEPWIGLVIFISLIVLAVCGILTVHYVRNQNKTNYSTLSFTT	61
QY	61	DKLYAEFGREASNNFTMSQLESNMVKNFYKSPLEEFVKSOVIKFSQKHGVLAHML	120
Db	62	DKLYAEFGREASNNFTMSQLESNMVKNFYKSPLEEFVKSOVIKFSQKHGVLAHML	121
QY	121	ICRHFSTEDPTVDKIIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETSYLNHCCGTR	180
Db	122	ICRHFSTEDPTVDKIIVQLVLEKLDQAVGPKVDPHSVKIKKINKTETSYLNHCCGTR	181
QY	181	RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA	240
Db	182	RSKTLGQSLRIVGGTEVEEGEPWQASLQWDGSHRCGATLINATWLVSAAHCFTTYKNPA	241
QY	241	RWTASFGVTIKPSKMKRGLRIIVHEKYKHPSHDYDISLAELSSPVPYTNVHRVCLPDA	300

Search completed: May 13, 2004, 16:32:33  
Job time : 52.5 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 15, 2004, 23:50:33 ; Search time 653.5 Seconds  
(without alignments)  
10214.950 Million cell updates/sec

Title: US-09-674-035B-3  
Perfect score: 1471  
Sequence: 1 tgacttgatgtagacctg.....tgcttgatgcaaaaaaaa 1471

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

1: /cgn2\_6/prodata/2/pubpna/US07\_PUBCOMB.seq:\*

2: /cgn2\_6/prodata/2/pubpna/PCT\_NEW\_PUB.seq:\*

3: /cgn2\_6/prodata/2/pubpna/US06\_NEW\_PUB.seq:\*

4: /cgn2\_6/prodata/2/pubpna/US06\_PUBCOMB.seq:\*

5: /cgn2\_6/prodata/2/pubpna/US07\_NEW\_PUB.seq:\*

6: /cgn2\_6/prodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*

7: /cgn2\_6/prodata/2/pubpna/US08\_NEW\_PUB.seq:\*

8: /cgn2\_6/prodata/2/pubpna/US09\_PUBCOMB.seq:\*

9: /cgn2\_6/prodata/2/pubpna/US09A\_PUBCOMB.seq:\*

10: /cgn2\_6/prodata/2/pubpna/US09B\_PUBCOMB.seq:\*

11: /cgn2\_6/prodata/2/pubpna/US09C\_PUBCOMB.seq:\*

12: /cgn2\_6/prodata/2/pubpna/US09\_NEW\_PUB.seq:\*

13: /cgn2\_6/prodata/2/pubpna/US09A\_PUBCOMB.seq:\*

14: /cgn2\_6/prodata/2/pubpna/US10A\_PUBCOMB.seq:\*

15: /cgn2\_6/prodata/2/pubpna/US10B\_PUBCOMB.seq:\*

16: /cgn2\_6/prodata/2/pubpna/US10C\_PUBCOMB.seq:\*

17: /cgn2\_6/prodata/2/pubpna/US10\_NEW\_PUB.seq:\*

18: /cgn2\_6/prodata/2/pubpna/US60\_NEW\_PUB.seq:\*

19: /cgn2\_6/prodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	1469.8	99.9	1471	16	US-10-156-214A-27
2	1469.8	99.9	1471	16	US-10-156-214A-40
3	1445.2	98.2	5058	10	US-09-796-753-145
4	1434.6	97.5	2103	10	US-09-946-374-268
5	1434.6	97.5	2103	12	US-10-015-395A-268
6	1434.6	97.5	2103	13	US-10-206-915-319
7	1434.6	97.5	2103	13	US-10-199-670-319
8	1434.6	97.5	2103	13	US-10-201-858-319
9	1434.6	97.5	2103	13	US-10-205-890-319
10	1434.6	97.5	2103	13	US-10-208-024-319
11	1434.6	97.5	2103	13	US-10-201-853-319
12	1434.6	97.5	2103	13	US-10-063-745-105
13	1434.6	97.5	2103	13	US-10-063-512-105
14	1434.6	97.5	2103	13	US-10-063-513-105

15	1434.6	97.5	2103	13	US-10-063-549-105
16	1434.6	97.5	2103	13	US-10-063-569-105
17	1434.6	97.5	2103	13	US-10-063-551-105
18	1434.6	97.5	2103	13	US-10-174-581-319
19	1434.6	97.5	2103	13	US-10-176-483-319
20	1434.6	97.5	2103	13	US-10-176-749-319
21	1434.6	97.5	2103	13	US-10-176-914-319
22	1434.6	97.5	2103	13	US-10-176-915-319
23	1434.6	97.5	2103	13	US-10-006-485A-268
24	1434.6	97.5	2103	13	US-10-013-907A-268
25	1434.6	97.5	2103	13	US-10-015-499A-268
26	1434.6	97.5	2103	13	US-10-063-555-105
27	1434.6	97.5	2103	13	US-10-063-563-105
28	1434.6	97.5	2103	13	US-10-063-594-105
29	1434.6	97.5	2103	13	US-10-063-553-105
30	1434.6	97.5	2103	13	US-10-063-554-105
31	1434.6	97.5	2103	13	US-10-176-484-319
32	1434.6	97.5	2103	13	US-10-180-550-319
33	1434.6	97.5	2103	13	US-10-183-014-319
34	1434.6	97.5	2103	13	US-10-187-738-319
35	1434.6	97.5	2103	13	US-10-187-740-319
36	1434.6	97.5	2103	13	US-10-187-883-319
37	1434.6	97.5	2103	13	US-10-194-363-319
38	1434.6	97.5	2103	13	US-10-194-460-319
39	1434.6	97.5	2103	13	US-10-194-463-319
40	1434.6	97.5	2103	13	US-10-194-484-319
41	1434.6	97.5	2103	13	US-10-195-884-319
42	1434.6	97.5	2103	13	US-10-195-896-319
43	1434.6	97.5	2103	13	US-10-196-744-319
44	1434.6	97.5	2103	13	US-10-196-755-319
45	1434.6	97.5	2103	13	US-10-196-757-319

ALIGNMENTS

RESULT 1

US-10-156-214A-27  
; Sequence 27, Application US/10156214A  
; Publication No. US20040001801A1  
; GENERAL INFORMATION:  
; APPLICANT: Edwin L. Madison  
; APPLICANT: Joseph Edward Semple  
; APPLICANT: George P. Vlasuk  
; APPLICANT: Scott Jeffrey Kemp  
; APPLICANT: Mallareddy Komandla  
; APPLICANT: Daniel Vanna Slev  
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic  
; FILE REFERENCE: 24745-1611  
; CURRENT APPLICATION NUMBER: US/10/156,214A  
; CURRENT FILING DATE: 2002-05-23  
; NUMBER OF SEQ ID NOS: 611  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 27  
; LENGTH: 1471  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (626)...(1324)  
; OTHER INFORMATION: DSCI gene  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (56)...(1324)  
; OTHER INFORMATION: protease domain  
US-10-156-214A-27

Query Match 99.9%; Score 1469.8; DB 16; Length 1471;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1469; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGACTTGGATGTAGACTCGACCTTCACAGGACTTTCATTGCTGTGCAATGATGTA 60



Db 121 CGTCATSTTCATATCCCTGATGTGCTGSCAGTGTGCATTGGASTCACTGTCATTATGT 180  
 Qy 181 GAGATATAATCAAAAGAACCTTCAATTAATCTATAGACACATTTGCTTCACTGACAA 240  
 Db 181 GAGATATAATCAAAAGAACCTTCAATTAATCTATAGACACATTTGCTTCACTGACAA 240  
 Qy 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGCT 300  
 Db 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGCT 300  
 Qy 301 TGAATCAATGGTGAATAATGCAATTTTAAATCTCCATTAAAGGGAAGAATTTGTCAGATC 360  
 Db 301 TGAATCAATGGTGAATAATGCAATTTTAAATCTCCATTAAAGGGAAGAATTTGTCAGATC 360  
 Qy 361 TCAGGTTATCAAGTTTCAGTCAACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTG 420  
 Db 361 TCAGGTTATCAAGTTTCAGTCAACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTG 420  
 Qy 421 TAGATTTCACTCTACTGAGGATCCTGAACTGTAGATAAAATTTGTTCACTGTTTACA 480  
 Db 421 TAGATTTCACTCTACTGAGGATCCTGAACTGTAGATAAAATTTGTTCACTGTTTACA 480  
 Qy 481 TGAAGAAGCTCAAGATGCTGTAGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTA 540  
 Db 481 TGAAGAAGCTCAAGATGCTGTAGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTA 540  
 Qy 541 AAAAATCAACAGACAGAAACAGACAGATCTCTAAACATTTGCTGCGGAAACAGAGAG 600  
 Db 541 AAAAATCAACAGACAGAAACAGACAGATCTCTAAACATTTGCTGCGGAAACAGAGAG 600  
 Qy 601 TAAAACTCAGTCTCAGAGTCTCAGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATG 660  
 Db 601 TAAAACTCAGTCTCAGAGTCTCAGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATG 660  
 Qy 661 GCCCTGGCAGGCTAGCCTGAGTGGATGGAGTGGAGTCACTGCTGTGGAGCAACCTTAA 720  
 Db 661 GCCCTGGCAGGCTAGCCTGAGTGGATGGAGTGGAGTCACTGCTGTGGAGCAACCTTAA 720  
 Qy 721 TGCCACATGGCTGTGAGTGTGCTCAGTCTGTTTACACATATAAGAACCTTCCGAGATG 780  
 Db 721 TGCCACATGGCTGTGAGTGTGCTCAGTCTGTTTACACATATAAGAACCTTCCGAGATG 780  
 Qy 781 GACTGCTCTCTTGGAGTAAACATAAACCTTGGAAATGAAACGGGCTCCGAGAGAT 840  
 Db 781 GACTGCTCTCTTGGAGTAAACATAAACCTTGGAAATGAAACGGGCTCCGAGAGAT 840  
 Qy 841 AATTGCTCATGAAATAACAAACACCCATCACTGACTATGATATTTCTCTTGCAGAGCT 900  
 Db 841 AATTGCTCATGAAATAACAAACACCCATCACTGACTATGATATTTCTCTTGCAGAGCT 900  
 Qy 901 TTCTAGCCCTGTTCCCTACACAAATGACATAGAGTTTGTCTCCCTGATGCACTCTA 960  
 Db 901 TTCTAGCCCTGTTCCCTACACAAATGACATAGAGTTTGTCTCCCTGATGCACTCTA 960  
 Qy 961 TGAGTTTCAACAGAGTGTGATGTTTGTGACAGGATTTGAGCACTGAAATAATGATGG 1020  
 Db 961 TGAGTTTCAACAGAGTGTGATGTTTGTGACAGGATTTGAGCACTGAAATAATGATGG 1020  
 Qy 1021 TTACAGTCAAAATCATCTTCGACAGACAGCAGGTGCTCTATAGAGGTACAACTTGCA 1080  
 Db 1021 TTACAGTCAAAATCATCTTCGACAGACAGCAGGTGCTCTATAGAGGTACAACTTGCA 1080  
 Qy 1081 TGAACCTCAAGCTTCAATGAGCCATAACTCTTGAATGTTATGTTGGTCCCTTTAGA 1140  
 Db 1081 TGAACCTCAAGCTTCAATGAGCCATAACTCTTGAATGTTATGTTGGTCCCTTTAGA 1140  
 Qy 1141 AGGAAAAACAGATGATGATGCGGGTGAATCTGAGGACCACTGGTTAGTTGAGATGCTAG 1200  
 Db 1141 AGGAAAAACAGATGATGATGCGGGTGAATCTGAGGACCACTGGTTAGTTGAGATGCTAG 1200  
 Qy 1201 AGATATCTGGTACCTTGTCTGGAATAGTGAGCTCGGAGAGATGAATGTGCGAAACCCAA 1260

Db 1201 AGATATCTGTACTCTTGTCTGGAATAGTAGAGCTSGGAGATGAATGTGCGAAACCCAA 1260  
 Qy 1261 GCCTGGTGTATTACTAGAGTTACGGCTTTCGGGACTGGGACTGATTACTTCAAAAACTGGTAT 1320  
 Db 1261 GCCTGGTGTATTACTAGAGTTACGGCTTTCGGGACTGGGACTGATTACTTCAAAAACTGGTAT 1320  
 Qy 1321 CTAAAGAGAGAAAAAGCCCTCATGGAACAGATAAATTTTTTTTTTTTGGTGGTGGAGG 1380  
 Db 1321 CTAAAGAGAGAAAAAGCCCTCATGGAACAGATAAATTTTTTTTTTTTGGTGGTGGAGG 1380  
 Qy 1381 CCATTTTAGAGATACAGAAATTTGGAGAGACTTGCAGAAACAGCTAGATTGACTGATCTC 1440  
 Db 1381 CCATTTTAGAGATACAGAAATTTGGAGAGACTTGCAGAAACAGCTAGATTGACTGATCTC 1440  
 Qy 1441 AATAAATCTGTTGCTTGCATCAAAAAA 1471  
 Db 1441 AATAAATCTGTTGCTTGCATCAAAAAA 1471

RESULT 3  
 US-09-796-753-145  
 ; Sequence 145, Application US/09796753  
 ; Publication No. US20030027998A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: McCarthy, Sean A.  
 ; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF  
 ; FILE REFERENCE: 7853-227-999  
 ; CURRENT APPLICATION NUMBER: US/09796,753  
 ; CURRENT FILING DATE: 2001-03-01  
 ; PRIOR APPLICATION NUMBER: 09/183,175  
 ; PRIOR FILING DATE: 1998-10-30  
 ; PRIOR APPLICATION NUMBER: 09/223,094  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/223,546  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/224,246  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/259,388  
 ; PRIOR FILING DATE: 1999-02-26  
 ; PRIOR APPLICATION NUMBER: 60/122,458  
 ; PRIOR FILING DATE: 1999-03-01  
 ; PRIOR APPLICATION NUMBER: 09/312,359  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 09/336,536  
 ; PRIOR FILING DATE: 1999-06-18  
 ; PRIOR APPLICATION NUMBER: 09/342,687  
 ; PRIOR FILING DATE: 1999-06-29  
 ; PRIOR APPLICATION NUMBER: 09/345,464  
 ; PRIOR FILING DATE: 1999-06-30  
 ; PRIOR APPLICATION NUMBER: 09/365,164  
 ; PRIOR FILING DATE: 1999-07-30  
 ; PRIOR APPLICATION NUMBER: 09/399,723  
 ; PRIOR FILING DATE: 1999-09-20  
 ; PRIOR APPLICATION NUMBER: 09/409,634  
 ; PRIOR FILING DATE: 1999-09-30  
 ; PRIOR APPLICATION NUMBER: 09/471,179  
 ; PRIOR FILING DATE: 1999-12-29  
 ; PRIOR APPLICATION NUMBER: 09/514,010  
 ; PRIOR FILING DATE: 2000-02-25  
 ; PRIOR APPLICATION NUMBER: 09/516,745  
 ; PRIOR FILING DATE: 2000-03-01  
 ; PRIOR APPLICATION NUMBER: 09/572,002  
 ; PRIOR FILING DATE: 2000-05-14  
 ; PRIOR APPLICATION NUMBER: 09/597,993  
 ; PRIOR FILING DATE: 2000-06-19  
 ; PRIOR APPLICATION NUMBER: 09/599,596  
 ; PRIOR FILING DATE: 2000-06-22  
 ; PRIOR APPLICATION NUMBER: 09/630,334  
 ; PRIOR FILING DATE: 2000-07-31



TITLE OF INVENTION:	Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION:	Acids Encoding the Same
FILE REFERENCE:	P2830P1C1
CURRENT APPLICATION NUMBER:	US/09/946,374
CURRENT FILING DATE:	2001-09-04
PRIOR APPLICATION NUMBER:	60/098716
PRIOR FILING DATE:	1998-09-01
PRIOR APPLICATION NUMBER:	60/098723
PRIOR FILING DATE:	1998-09-01
PRIOR APPLICATION NUMBER:	60/098749
PRIOR FILING DATE:	1998-09-01
PRIOR APPLICATION NUMBER:	60/098750
PRIOR FILING DATE:	1998-09-01
PRIOR APPLICATION NUMBER:	60/098803
PRIOR FILING DATE:	1998-09-02
PRIOR APPLICATION NUMBER:	60/098821
PRIOR FILING DATE:	1998-09-02
PRIOR APPLICATION NUMBER:	60/098843
PRIOR FILING DATE:	1998-09-02
PRIOR APPLICATION NUMBER:	60/099536
PRIOR FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	60/099596
PRIOR FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	60/099598
PRIOR FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	60/099602
PRIOR FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	60/099642
PRIOR FILING DATE:	1998-09-09
PRIOR APPLICATION NUMBER:	60/099741
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099754
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099763
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099792
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099808
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099812
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099815
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/099816
PRIOR FILING DATE:	1998-09-10
PRIOR APPLICATION NUMBER:	60/100385
PRIOR FILING DATE:	1998-09-15
PRIOR APPLICATION NUMBER:	60/100388
PRIOR FILING DATE:	1998-09-15
PRIOR APPLICATION NUMBER:	60/100390
PRIOR FILING DATE:	1998-09-15
PRIOR APPLICATION NUMBER:	60/100584
PRIOR FILING DATE:	1998-09-16
PRIOR APPLICATION NUMBER:	60/100627
PRIOR FILING DATE:	1998-09-16
PRIOR APPLICATION NUMBER:	60/100651
PRIOR FILING DATE:	1998-09-16
PRIOR APPLICATION NUMBER:	60/100662
PRIOR FILING DATE:	1998-09-16
PRIOR APPLICATION NUMBER:	60/100664
PRIOR FILING DATE:	1998-09-16
PRIOR APPLICATION NUMBER:	60/100683
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/100694
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/100710
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/100711
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/100848
PRIOR FILING DATE:	1998-09-18
PRIOR APPLICATION NUMBER:	60/100849
PRIOR FILING DATE:	1998-09-18
/	/
PRIOR APPLICATION NUMBER:	60/100915
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/100930
PRIOR FILING DATE:	1998-09-17
PRIOR APPLICATION NUMBER:	60/101014
PRIOR FILING DATE:	1998-09-18
PRIOR APPLICATION NUMBER:	60/101068
PRIOR FILING DATE:	1998-09-18
PRIOR APPLICATION NUMBER:	60/101071
PRIOR FILING DATE:	1998-09-18
PRIOR APPLICATION NUMBER:	60/101279
PRIOR FILING DATE:	1998-09-22
PRIOR APPLICATION NUMBER:	60/101471
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101472
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101474
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101475
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101476
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101477
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101479
PRIOR FILING DATE:	1998-09-23
PRIOR APPLICATION NUMBER:	60/101738
PRIOR FILING DATE:	1998-09-24
PRIOR APPLICATION NUMBER:	60/101741
PRIOR FILING DATE:	1998-09-24
PRIOR APPLICATION NUMBER:	60/101743
PRIOR FILING DATE:	1998-09-24
PRIOR APPLICATION NUMBER:	60/101915
PRIOR FILING DATE:	1998-09-24
PRIOR APPLICATION NUMBER:	60/101916
PRIOR FILING DATE:	1998-09-24
PRIOR APPLICATION NUMBER:	60/102207
PRIOR FILING DATE:	1998-09-29
PRIOR APPLICATION NUMBER:	60/102240
PRIOR FILING DATE:	1998-09-29
PRIOR APPLICATION NUMBER:	60/102307
PRIOR FILING DATE:	1998-09-29
PRIOR APPLICATION NUMBER:	60/102330
PRIOR FILING DATE:	1998-09-29
PRIOR APPLICATION NUMBER:	60/102331
PRIOR FILING DATE:	1998-09-29
PRIOR APPLICATION NUMBER:	60/102484
PRIOR FILING DATE:	1998-09-30
PRIOR APPLICATION NUMBER:	60/102487
PRIOR FILING DATE:	1998-09-30
PRIOR APPLICATION NUMBER:	60/102570
PRIOR FILING DATE:	1998-09-30
PRIOR APPLICATION NUMBER:	60/102571
PRIOR FILING DATE:	1998-09-30
PRIOR APPLICATION NUMBER:	60/102684
PRIOR FILING DATE:	1998-10-01
PRIOR APPLICATION NUMBER:	60/102687
PRIOR FILING DATE:	1998-10-01
PRIOR APPLICATION NUMBER:	60/102965
PRIOR FILING DATE:	1998-10-02
PRIOR APPLICATION NUMBER:	60/103258
PRIOR FILING DATE:	1998-10-06
PRIOR APPLICATION NUMBER:	60/103314
PRIOR FILING DATE:	1998-10-07
PRIOR APPLICATION NUMBER:	60/103315
PRIOR FILING DATE:	1998-10-07
PRIOR APPLICATION NUMBER:	60/103328
PRIOR FILING DATE:	1998-10-07
PRIOR APPLICATION NUMBER:	60/103395
PRIOR FILING DATE:	1998-10-07
PRIOR APPLICATION NUMBER:	60/103396
PRIOR FILING DATE:	1998-10-07
PRIOR APPLICATION NUMBER:	60/103401



APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Pan, James  
APPLICANT: Paoni, Nicholas F.  
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
FILE REFERENCE: Acids Encoding the Same  
CURRENT APPLICATION NUMBER: US/10/015,395A  
CURRENT FILING DATE: 2001-12-12  
Prior application removed - See file Wrapper or Palm  
NUMBER OF SEQ ID NOS: 477  
SEQ ID NO 268  
LENGTH: 2103  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-015-395A-268

Query Match 97.5%; Score 1434.6; DB 12; Length 2103;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGCCAGATGCTGAGGCG 81  
DB 1 CTTTCACAGACTCTTCATTGCTGGTGGCAATGATGATCGCCAGATGCTGAGGCG 60

QY 82 TAGGAAAAGAGTTTGTGGAAACCCCTGGGTTATCGGCCCTCGTCATGTTCCATGCCGTGAT 141  
DB 61 TAGGAAAAGAGTTTGTGGAAACCCCTGGGTTATCGGCCCTCGTCATGTTCCATGCCGTGAT 120

QY 142 TGTCCTGGCAGTGTGCTAGTGGAGTCACTGTTCAATGATGAGTATTAATCAAAGAGAC 201  
DB 121 TGTCCTGGCAGTGTGCTAGTGGAGTCACTGTTCAATGATGAGTATTAATCAAAGAGAC 180

QY 202 CTACAACTACTAGCAGACTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 261  
DB 181 CTACAACTACTAGCAGACTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 240

QY 262 AGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGCTGAAATAATGC 321  
DB 241 AGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGCTGAAATAATGC 300

QY 322 ATTATTAATCTCCATTAAGGAGAAATTTGTCAGTCTCAGGTTATCAAGTTCACTCA 381  
DB 301 ATTTTATAATCTCCATTAAGGAGAAATTTGTCAGTCTCAGGTTATCAAGTTCACTCA 360

QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTTCACTCTACTCAGGA 441  
DB 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTTCACTCTACTCAGGA 420

QY 442 TCTGAACTGTAGATAAAATTTTCACTGTTTACATGAAAGCTGCAAGATCTGT 501  
DB 421 TCTGAACTGTAGATAAAATTTTCACTGTTTACATGAAAGCTGCAAGATCTGT 480

QY 502 AGAGCCCTTAAAGTAGATCTCCTCACTCAGTTAAATTAATAATCAACAGACAAAC 561  
DB 481 AGAGCCCTTAAAGTAGATCTCCTCACTCAGTTAAATTAATAATCAACAGACAAAC 540

QY 562 AGACAGCTATCTAAACCATTTGCTGGCAACACAGAAAGTAAACCTTAGGTGAGAGTCT 621  
DB 541 AGACAGCTATCTAAACCATTTGCTGGCAACACAGAAAGTAAACCTTAGGTGAGAGTCT 600

QY 622 CAGGATCGTTGGGAGACAGAAATGAGAGGAGTGAATGGCCCTGGCAGGCTAGCCTGCA 681  
DB 601 CAGGATCGTTGGGAGACAGAAATGAGAGGAGTGAATGGCCCTGGCAGGCTAGCCTGCA 660

QY 682 GTGGGATGGAGTCACTGCTGTGGAGCAACTTAATTAATGACACATGGCTTGTAGTGC 741  
DB 661 GTGGGATGGAGTCACTGCTGTGGAGCAACTTAATTAATGACACATGGCTTGTAGTGC 720

QY 742 TGCTCACTGTTTACAAATATAAGAACCCCTGCCAGATGGACTGCTTCTCTTGGAGTAAC 801  
DB 721 TGCTCACTGTTTACAAATATAAGAACCCCTGCCAGATGGACTGCTTCTCTTGGAGTAAC 780

QY 802 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGATAATATGTCATGAAATAACAA 861  
DB 781 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGATAATATGTCATGAAATAACAA 840

QY 862 ACACCCATCATGACTATGATATTTCTTCTGACAGCTTTCTAGCCCTGTTCCCTACAC 921  
DB 841 ACACCCATCATGACTATGATATTTCTTCTGACAGCTTTCTAGCCCTGTTCCCTACAC 900

QY 922 AAATGCACTACATAGAGTTTGTCTCCCTGATGATCCTTATGAGTTTCAACACAGGTGATG 981  
DB 901 AAATGCACTACATAGAGTTTGTCTCCCTGATGATCCTTATGAGTTTCAACACAGGTGATG 960

QY 982 GATGTTTGTACAGAGATTGGAGCACTGAAATAATGATGTTTACAGTCAAAATCATCTTCG 1041  
DB 961 GATGTTTGTACAGAGATTGGAGCACTGAAATAATGATGTTTACAGTCAAAATCATCTTCG 1020

QY 1042 ACAAGCAGGTGACTCTCATAGACGCTACAACTTGCATGAACTTCAAGCTTACAATGA 1101  
DB 1021 ACAAGCAGGTGACTCTCATAGACGCTACAACTTGCATGAACTTCAAGCTTACAATGA 1080

QY 1102 CGCCATAACTCCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1161  
DB 1081 CGCCATAACTCCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1140

QY 1162 GGGTCACTCTGGAGAGCACTGTTAGTTTACAGATGCTAGAGATATCTGGTACTCTTCTGCTG 1221  
DB 1141 GGGTCACTCTGGAGAGCACTGTTAGTTTACAGATGCTAGAGATATCTGGTACTCTTCTGCTG 1200

QY 1222 AATAGTGAAGTGGAGAGTGAATGCGAAACCCCAAGCCCTGTTGTTTATCTAGAGT 1281  
DB 1201 AATAGTGAAGTGGAGAGTGAATGCGAAACCCCAAGCCCTGTTGTTTATCTAGAGT 1260

QY 1282 TAGCGCTTGGCGGAGTGGATTACTTCAAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1341  
DB 1261 TAGCGCTTGGCGGAGTGGATTACTTCAAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1320

QY 1342 GAACAGATAAATTTTTTTTTTTTTTTGGGTGGAGGCCCAATTTTTAGAGATACAGAAAT 1401  
DB 1321 GAACAGATAAATTTTTTTTTTTTTTTGGGTGGAGGCCCAATTTTTAGAGATACAGAAAT 1380

QY 1402 TGGAGAGACTTGCAGAACAGCTAGATTTGATCTCAATAAAGCTGTTCTGCTGATGC 1461  
DB 1381 TGGAGAGACTTGCAGAACAGCTAGATTTGATCTCAATAAAGCTGTTCTGCTGATGC 1440

QY 1462 A 1462  
DB 1441 A 1441

RESULT 6

US-10-206-915-319  
; Sequence 319, Application US/10206915  
; Publication No. US20040029221A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C513



```

; CURRENT APPLICATION NUMBER: US/10/206.915
; CURRENT FILING DATE: 2002-07-26
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-206-915-319

Query Match      97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 22 CCTTCACAGGACTTTCATCTGCTGGCAATGATGATCGGCCAGATGCGTGGAGGC 81
Db 1 CCTTCACAGGACTTTCATCTGCTGGCAATGATGATCGGCCAGATGCGTGGAGGC 60

Qy 82 TAGGAAAGAGTTTGTGGGAACCTCGGTTATCGGCTCGTCATGTTTCATATCCCTGAT 141
Db 61 TAGGAAAGAGTTTGTGGGAACCTCGGTTATCGGCTCGTCATGTTTCATATCCCTGAT 120

Qy 142 TGTCTGCGAGTGTGCAATGAGTCACTGTTCAATATGAGATATATCAAAAGAGAC 201
Db 121 TGTCTGCGAGTGTGCAATGAGTCACTGTTCAATATGAGATATATCAAAAGAGAC 180

Qy 202 CTACAAATTTACTATAGCAATGTCATTTACAACTGACAACTATATGCTGAGTTGGCAG 261
Db 181 CTACAAATTTACTATAGCAATGTCATTTACAACTGACAACTATATGCTGAGTTGGCAG 240

Qy 262 AGAGGCTTCTAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321
Db 241 AGAGGCTTCTAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300

Qy 322 ATTTTATTAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 381
Db 301 ATTTTATTAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 360

Qy 382 ACAGAAGCATGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTCTACTGAGGA 441
Db 361 ACAGAAGCATGAGTGTGGCTCATATGCTGTGATTTGTAGATTTCACTCTACTGAGGA 420

Qy 442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAGAGCTGCAAGATGCTGT 501
Db 421 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAGAGCTGCAAGATGCTGT 480

Qy 502 AGGACCCCTTAAGTAGATCTCTCACTAGTTAAATTTAAATAATCAACAGACAGAAAC 561
Db 481 AGGACCCCTTAAGTAGATCTCTCACTAGTTAAATTTAAATAATCAACAGACAGAAAC 540

Qy 562 AGACAGCTATCTAAACCAATTTGCTGGGACACGAAAGAGTAAACCTCTAGTCTCAGTCT 621
Db 541 AGACAGCTATCTAAACCAATTTGCTGGGACACGAAAGAGTAAACCTCTAGTCTCAGTCT 600

622 CAGGATCGTTGGTGACAGAGCTAGAGAGGGTGAATGCGCCTGSCAGGCTAGCCTGCA 681
601 CAGGATCGTTGGTGACAGAGCTAGAGAGGGTGAATGCGCCTGSCAGGCTAGCCTGCA 660
682 GTGGGATGGGAGTCACTGCTGTGGAGCAACCTTTAATTAATGCCACATGGCTTGTGAGTGC 741
661 GTGGGATGGGAGTCACTGCTGTGGAGCAACCTTTAATTAATGCCACATGGCTTGTGAGTGC 720
742 TGCTCACTGTTTACACATATAGAACCTGSCAGATGCACTGCTTCTCTTTGGAGTAAC 801
721 TGCTCACTGTTTACACATATAGAACCTGSCAGATGCACTGCTTCTCTTTGGAGTAAC 780
802 AATAAAACCTTCGAAATGAAACGGGCTCTCCGGAGAAATTAATGTCATGAAATAACAA 861
781 AATAAAACCTTCGAAATGAAACGGGCTCTCCGGAGAAATTAATGTCATGAAATAACAA 840
862 ACACCCATCACTGACTATGATATTTCTCTTGAGAGCTTTTCTAGCCCTTCTCCCTACAC 921
841 ACACCCATCACTGACTATGATATTTCTCTTGAGAGCTTTTCTAGCCCTTCTCCCTACAC 900
922 AATGCGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGTGATGT 981
901 AATGCGAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGGTGATGT 960
982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041
961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020
1042 ACAAGCACAGGTGACTCTCATAGAGCTCAACTGCAATGAACTCAAGCTTACATGA 1101
1021 ACAAGCACAGGTGACTCTCATAGAGCTCAACTGCAATGAACTCAAGCTTACATGA 1080
1102 CGCATAACTCCTAGATGTTTATGCTGCTGCTCTCTAGAGGAAACACAGATGATGCCA 1161
1081 CGCATAACTCCTAGATGTTTATGCTGCTGCTCTCTAGAGGAAACACAGATGATGCCA 1140
1162 GGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG 1221
1141 GGTGACTCTGGAGGACCACTGGTTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG 1200
1222 AATGAGCTGCGGAGATGAATGTCGAAACCCCAACAGCCTGGTGTATATAGTAGT 1281
1201 AATGAGCTGCGGAGATGAATGTCGAAACCCCAACAGCCTGGTGTATATAGTAGT 1260
1282 TAGGCGCTTGGGAGCTGGATTAATCAAAACCTGATCTTAAGAGAGAAAGCCTCATG 1341
1261 TAGGCGCTTGGGAGCTGGATTAATCAAAACCTGATCTTAAGAGAGAAAGCCTCATG 1320
1342 GAACAGATAACATTTTTTTTTTGGTGTGGAGGCCATTTTTTAGAGATACAGAA 1401
1321 GAACAGATAACATTTTTTTTTTGGTGTGGAGGCCATTTTTTAGAGATACAGAA 1380
1402 TGGAGAGACTTGCAGAAACAGCTAGATTTGACATGATCTCAATAACTGTTTGTGATGC 1461
1381 TGGAGAGACTTGCAGAAACAGCTAGATTTGACATGATCTCAATAACTGTTTGTGATGC 1440
1462 A 1462
1441 A 1441

RESULT 7
US-10-199-670-319
; Sequence 319, Application US/10199670
; Publication No. US20040033560A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
```



APPLICANT: Pan,James  
 APPLICANT: Smith,Victoria  
 APPLICANT: Watanabe,Colin K.  
 APPLICANT: Wood,William I.  
 APPLICANT: Zhang,Zemin  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 FILE REFERENCE: P3430R1C401  
 CURRENT APPLICATION NUMBER: US/10/199,670  
 PRIOR FILING DATE: 2002-07-19  
 PRIOR APPLICATION NUMBER: 10/052586  
 PRIOR FILING DATE: 2002-01-15  
 PRIOR APPLICATION NUMBER: 60/059263  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/059266  
 PRIOR FILING DATE: 1997-09-18  
 PRIOR APPLICATION NUMBER: 60/062250  
 PRIOR FILING DATE: 1997-10-17  
 PRIOR APPLICATION NUMBER: 60/063120  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/063121  
 PRIOR FILING DATE: 1997-10-24  
 PRIOR APPLICATION NUMBER: 60/063486  
 PRIOR FILING DATE: 1997-10-21  
 PRIOR APPLICATION NUMBER: 60/063540  
 PRIOR FILING DATE: 1997-10-28  
 PRIOR APPLICATION NUMBER: 60/063541  
 PRIOR FILING DATE: 1997-10-28  
 PRIOR APPLICATION NUMBER: 60/063544  
 PRIOR FILING DATE: 1997-10-28  
 Prior Application data removed - See File Wrapper or PALM.  
 NUMBER OF SEQ ID NOS: 612  
 SEQ ID NO 319  
 LENGTH: 2103  
 TYPE: DNA  
 ORGANISM: Homo Sapien  
 US-10-199-670-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;  
 Best Local Similarity 99.7%; Pred. No. 0;  
 Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY	22	CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCACAGATGGTGGAGGC	81
Db	1	CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCACAGATGGTGGAGGC	60
QY	82	TAGGAAAGAGTTGTTGGAAACCCCTGGGTTATCGGCCCTGTCATGTTCCATGCCGTGAT	141
Db	61	TAGGAAAGAGTTGTTGGAAACCCCTGGGTTATCGGCCCTGTCATGTTCCATGCCGTGAT	120
QY	142	TGTCCTGGCAGTGTGCATTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC	201
Db	121	TGTCCTGGCAGTGTGCATTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC	180
QY	202	CTACAAATTAATAGACATTTGTCATTAACAATGACCACTGACAACTATATGCTGAGTTGGCAG	261
Db	181	CTACAAATTAATAGACATTTGTCATTAACAATGACCACTGACAACTATATGCTGAGTTGGCAG	240
QY	262	AGAGGCTTCTCAACATTTACAGAAATGAGCCAGACCTGATCAATGGTGAATAATGC	321
Db	241	AGAGGCTTCTCAACATTTACAGAAATGAGCCAGACCTGATCAATGGTGAATAATGC	300
QY	322	ATTTTATAAATCTCCATTAAAGGAAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTCAAGTCA	381
Db	301	ATTTTATAAATCTCCATTAAAGGAAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTCAAGTCA	360
QY	382	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA	441
Db	361	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA	420
QY	442	TCTGAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAGCTGCAAGATGCTGT	501
Db	421	TCTGAACTGTAGATAAAATTTGTTCAACTGTTTACATGAAAGCTGCAAGATGCTGT	480

RESULT 8  
 US-10-201-858-319  
 ; Sequence 319, Application US/10201858

QY	502	AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAAAATCAACAGACGAPAC	561
Db	481	AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAAAATCAACAGACGAPAC	540
QY	562	AGACAGCTATCTAAACCATTTGCTGGGAAACAGAAAGAGTAAAACTTAGGTGAGAGTCT	621
Db	541	AGACAGCTATCTAAACCATTTGCTGGGAAACAGAAAGAGTAAAACTTAGGTGAGAGTCT	600
QY	622	CAGGATCGTTGGTGGGACAGAAAGTAAAGAGGTTGAATGGCCCTGGCAGGCTAGCTGCA	681
Db	601	CAGGATCGTTGGTGGGACAGAAAGTAAAGAGGTTGAATGGCCCTGGCAGGCTAGCTGCA	660
QY	682	GTGGGATGGGAGTCATCGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC	741
Db	661	GTGGGATGGGAGTCATCGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC	720
QY	742	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTCTTTGGAGTAAC	801
Db	721	TGCTCACTGTTTTTACAACATATAAGAACCCCTGCCAGATGGACTGCTCTTTGGAGTAAC	780
QY	802	AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGATAAATGTCATGAAAATACAA	861
Db	781	AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGATAAATGTCATGAAAATACAA	840
QY	862	ACACCCATCACATGACTATGATATTTCTCTGCAGAGCTTTCTAGCCCTGTTCCCTACAC	921
Db	841	ACACCCATCACATGACTATGATATTTCTCTGCAGAGCTTTCTAGCCCTGTTCCCTACAC	900
QY	922	AAATGCAGTACATAGAGTTTGTCTCCCTGATCATCTCTATGAGTTTCAACAGGATGAT	981
Db	901	AAATGCAGTACATAGAGTTTGTCTCCCTGATCATCTCTATGAGTTTCAACAGGATGAT	960
QY	982	GATGTTTGTGACAGGATTTGGAGCACTGAAAATGATGGTTACAGTCAAAATCATCTTCG	1041
Db	961	GATGTTTGTGACAGGATTTGGAGCACTGAAAATGATGGTTACAGTCAAAATCATCTTCG	1020
QY	1042	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATTAACCTCAAGCTTACAATGA	1101
Db	1021	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATTAACCTCAAGCTTACAATGA	1080
QY	1102	CGCCATAACTCTAGAAATGTTATGCTGGCTCTTAGAAGGAAAAACAGATGCATGCCA	1161
Db	1081	CGCCATAACTCTAGAAATGTTATGCTGGCTCTTAGAAGGAAAAACAGATGCATGCCA	1140
QY	1162	GGGTGACTCTGAGAGCACTGGTTAGTTCAGATGCTAGAGATATCTGTTAGCTGCTGG	1221
Db	1141	GGGTGACTCTGAGAGCACTGGTTAGTTCAGATGCTAGAGATATCTGTTAGCTGCTGG	1200
QY	1222	AATAGTGAGCTCGGAGATGAATGTGCGAAACCCCAAGCCCTGGTGTATTAAGT	1281
Db	1201	AATAGTGAGCTCGGAGATGAATGTGCGAAACCCCAAGCCCTGGTGTATTAAGT	1260
QY	1282	TAAGGCTTGGGAGCTGAGTTACTTCAAAAACCTGGTATTAAGAGAAAGCCCTCATG	1341
Db	1261	TAAGGCTTGGGAGCTGAGTTACTTCAAAAACCTGGTATTAAGAGAAAGCCCTCATG	1320
QY	1342	GAAAGATTAACATTTTGTGTTTGGGTGTCGAGCCATTTTATAGAGATACAGAT	1401
Db	1321	GAAAGATTAACATTTTGTGTTTGGGTGTCGAGCCATTTTATAGAGATACAGAT	1380
QY	1402	TGGAGAGACTTGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTCTTGTATGC	1461
Db	1381	TGGAGAGACTTGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTCTTGTATGC	1440
QY	1462	A 1462	
Db	1441	A 1441	

```
; Publication No. US20040038337A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430P1C464
; CURRENT APPLICATION NUMBER: US/10/201,858
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-201-858-319

Query Match          97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 22 CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 81
Db 1 CTTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 60

Qy 82 TAGGAAAGAGTTGTTGGAAACCCCTGGTTATCGGCTGTGTATGTTCTATATCCCTGAT 141
Db 61 TAGGAAAGAGTTGTTGGAAACCCCTGGTTATCGGCTGTGTATGTTCTATATCCCTGAT 120

Qy 142 TGTCTCGCAGTGTGCATTGGAGTCACTGTTTCATTATGTGAGATATATCAAAAGAGAC 201
Db 121 TGTCTCGCAGTGTGCATTGGAGTCACTGTTTCATTATGTGAGATATATCAAAAGAGAC 180

Qy 202 CTACAAATTACTATAGCAATTTGTCATTTCACAACTGACAACTATATGCTGAGTTGGCAG 261
Db 181 CTACAAATTACTATAGCAATTTGTCATTTCACAACTGACAACTATATGCTGAGTTGGCAG 240

Qy 262 AGAGGCTCTTAACATTTTACAGAAATGAGCCAGACCTGCAATCAATGTTGAAATGTC 321
Db 241 AGAGGCTCTTAACATTTTACAGAAATGAGCCAGACCTGCAATCAATGTTGAAATGTC 300

Qy 322 ATTTTATAAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTCAGTTTCAGTCA 381
Db 301 ATTTTATAAATCTCCATTAAGGAGAAATTTGTCAAGTCTCAGGTTCAGTTTCAGTCA 360

382 ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTGTAGATTTTCACTCTACTAGGA 441
Db ACAGAGCATGGAGTGTGGCTCATATGCTGTGATTGTAGATTTTCACTCTACTAGGA 420

442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 501
Db TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 480

502 AGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 561
Db AGGACCCCTTAAAGTAGATCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 540

562 AGACAGCTATCTAAACCATTTGCTGGCAACACAGAGAGTAAACTCTAGTCTAGAGTCT 621
Db AGACAGCTATCTAAACCATTTGCTGGCAACACAGAGAGTAAACTCTAGTCTAGAGTCT 600

622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 681
Db CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 660

682 GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAAATTAATGCCACATGGCTTGTGAGTGC 741
Db GTGGATGGGAGTCACTGCTGTGGAGCAACCTTAAATTAATGCCACATGGCTTGTGAGTGC 720

742 TGCTCACTGTTTACAAACATATAAGAACCTCGCCAGATGGACTGCTTCCCTTGGAGTAAC 801
Db TGCTCACTGTTTACAAACATATAAGAACCTCGCCAGATGGACTGCTTCCCTTGGAGTAAC 780

802 AATAAAACCTTCGAAATGAACCGGGTCTCCGGAGATAAATTTGTCATGAAATAACAA 861
Db AATAAAACCTTCGAAATGAACCGGGTCTCCGGAGATAAATTTGTCATGAAATAACAA 840

862 ACACCCATCACATGACTATGATATTTCTCTTGAGAGCTTCTAGCCCTGTCCTTACAC 921
Db ACACCCATCACATGACTATGATATTTCTCTTGAGAGCTTCTAGCCCTGTCCTTACAC 900

922 AAATGCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACACAGGTGATGT 981
Db AAATGCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACACAGGTGATGT 960

982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1041
Db GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTACAGTCAAAATCATCTTCG 1020

1042 ACAGACACAGGTGACTCTCATAGACGTACAACTGCAATGACCTCAAGCTTACATGA 1101
Db ACAGACACAGGTGACTCTCATAGACGTACAACTGCAATGACCTCAAGCTTACATGA 1080

1102 CGCCATAACTCCTTAGAATGTTATGCTGCTCTCTTAGAAGGAAAAACAGATGATGCCA 1161
Db CGCCATAACTCCTTAGAATGTTATGCTGCTCTCTTAGAAGGAAAAACAGATGATGCCA 1140

1162 GGGTGACTCGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGTTACCTTGTG 1221
Db GGGTGACTCGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGTTACCTTGTG 1200

1222 AATAGTGAGCTCGGAGATGAATGTGGAACCCCAACAGCCCTGGTGTGTTTATACATGAGT 1281
Db AATAGTGAGCTCGGAGATGAATGTGGAACCCCAACAGCCCTGGTGTGTTTATACATGAGT 1260

1282 TAGGGCTTGGGAGCTGGATTACTTCAAAAACTGGTATCTAAGAGAGAAAAACCTCATG 1341
Db TAGGGCTTGGGAGCTGGATTACTTCAAAAACTGGTATCTAAGAGAGAAAAACCTCATG 1320

1342 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTGGGTGTGAGGCCATTTTTAGAGATACAGAT 1401
Db GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTGGGTGTGAGGCCATTTTTAGAGATACAGAT 1380

1402 TGAGAGAGACTTCGAAAAACAGCTAGATTTTGACTGTATCTCAATAAATCTTTTGTGTTGATGC 1461
Db TGAGAGAGACTTCGAAAAACAGCTAGATTTTGACTGTATCTCAATAAATCTTTTGTGTTGATGC 1440
```

QY 1462 A 1462  
Db 1441 A 1441

RESULT 9  
US-10-205-890-319  
; Sequence 319, Application US/10205890  
; Publication No. US20040048334A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE REFERENCE: P3430RIC519  
; CURRENT APPLICATION NUMBER: US/10/205,890  
; CURRENT FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 60/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 319  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-205-890-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGCCAGATGTGGTAGGGC 81  
Db 1 CTTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGCCAGATGTGGTAGGGC 60

QY 82 TAGGAAGAAGTGTGTGGAAACCCCTGGGTTATCGGCCCTCGTCATGCTTCATATCCCTGAT 141  
Db 61 TAGGAAGAAGTGTGTGGAAACCCCTGGGTTATCGGCCCTCGTCATGCTTCATATCCCTGAT 120

QY 142 TGTCTGGCAGTGTGCATGTGGATGCTACTGTTCATTTATGTAGATATAATCAAAAGAGAC 201  
Db 121 TGTCTGGCAGTGTGCATGTGGATGCTACTGTTCATTTATGTAGATATAATCAAAAGAGAC 180

QY 202 CTACATTTACTATAGACATGTTCATTTCAACTGACAACTATATGCTGAGTTGGCAG 261  
Db 181 CTACATTTACTATAGACATGTTCATTTCAACTGACAACTATATGCTGAGTTGGCAG 240

QY 262 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGTAATCAATGGTGAATAATGC 321  
Db 241 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGTAATCAATGGTGAATAATGC 300

QY 322 ATTTTATAAATCTCCATTAAGGGAAGAATTTCTCAAGTCTCAGGTTTATCAAGTTCACTCA 381  
Db 301 ATTTTATAAATCTCCATTAAGGGAAGAATTTCTCAAGTCTCAGGTTTATCAAGTTCACTCA 360

QY 382 ACAGAAGCATGGAGTGTGGCTCATATGCTGTGTGATTTGTAGATTTCACTCTACTAGAGA 441  
Db 361 ACAGAAGCATGGAGTGTGGCTCATATGCTGTGTGATTTGTAGATTTCACTCTACTAGAGA 420

QY 442 TCTGTAAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAGAGCTCAAGATGCTGT 501  
Db 421 TCTGTAAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAGAGCTCAAGATGCTGT 480

QY 502 AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAATAAATCAACAGACAGAAAC 561  
Db 481 AGGACCCCTAAAGTAGATCCTCACTCAGTTAAATTTAAATAAATCAACAGACAGAAAC 540

QY 562 AGACAGCTATCTAAACCAATTTGCTGCGGAACACGAGAAGTAAACTCTAGGTCAAGTCT 621  
Db 541 AGACAGCTATCTAAACCAATTTGCTGCGGAACACGAGAAGTAAACTCTAGGTCAAGTCT 600

QY 622 CAGGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCCGTCA 681  
Db 601 CAGGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCCGTCA 660

QY 682 GTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTGTAGTGC 741  
Db 661 GTGGGATGGGAGTCATCGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTGTAGTGC 720

QY 742 TGTCTACTGTTTACAAATATGAGAACCTTCGAGATGGAATGCTCTTTGGAGTAAC 801  
Db 721 TGTCTACTGTTTACAAATATGAGAACCTTCGAGATGGAATGCTCTTTGGAGTAAC 780

QY 802 AATAAACCCTCGAAATGAAACGGGCTCTCCGGAGTAATTTGTCATGAATAAATACAA 861  
Db 781 AATAAACCCTCGAAATGAAACGGGCTCTCCGGAGTAATTTGTCATGAATAAATACAA 840

QY 862 ACACCCATCACATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 921  
Db 841 ACACCCATCACATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 900

QY 922 AATGCAAGTACATAGAGTTTGTCTCCCTGATGATGCTTATGAGTTTCAACAGGTGATGT 981  
Db 901 AATGCAAGTACATAGAGTTTGTCTCCCTGATGATGCTTATGAGTTTCAACAGGTGATGT 960

QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041  
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020

QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACCTCAAGCTTACAATGA 1101  
Db 1021 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACCTCAAGCTTACAATGA 1080

QY 1102 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAGGAAAAACAGATGCAATGCA 1161  
Db 1081 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAGGAAAAACAGATGCAATGCA 1140

QY 1162 GGGTGACTCTGAGAGCACTGTTTGTAGTTTACAGATGCTAGAGATATCTGGTACCTTCTCG 1221  
Db 1141 GGGTGACTCTGAGAGCACTGTTTGTAGTTTACAGATGCTAGAGATATCTGGTACCTTCTCG 1200

QY 1222 AATAGTAGCTCGGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTGTATTACTAGAGT 1281  
Db 1201 AATAGTAGCTCGGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTGTATTACTAGAGT 1260

QY 1282 TAGGGCTTGGGGAGTGGATTTACTTTCAAAACTGGTATCTAAGAGAGAAAGCCCTCATG 1341  
Db 1261 TAGGGCTTGGGGAGTGGATTTACTTTCAAAACTGGTATCTAAGAGAGAAAGCCCTCATG 1320

QY 1342 GAACAGATACATTTTGTGTTTGGTGTGGAGGCCATTTTAGAGATACAGAAT 1401  
DB 1321 GAACAGATACATTTTGTGTTTGGTGTGGAGGCCATTTTAGAGATACAGAAT 1380  
QY 1402 TGGAGAAGACTTGCAGAACAGCTAGATTTGACTGATCTCAATAACTGTTTGTGATGC 1461  
DB 1381 TGGAGAAGACTTGCAGAACAGCTAGATTTGACTGATCTCAATAACTGTTTGTGATGC 1440  
QY 1462 A 1462  
DB 1441 A 1441

## RESULT 10

US-10-208-024-319  
; Sequence 319, Application US/10208024  
; Publication No. US20040048335A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C538  
; CURRENT APPLICATION NUMBER: US/10/208,024  
; CURRENT FILING DATE: 2002-07-29  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 319  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-208-024-319

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTTTCATTTCTGGTGGCAATGATGATCGGCCAGATGTTGGTGGAGGC 81  
DB 1 CCTTCACAGGACTTTCATTTCTGGTGGCAATGATGATCGGCCAGATGTTGGTGGAGGC 60  
QY 82 TAGGAAAGAGCTTTGTTGGGAACCTCGGTTATCGGCTCGTATGTTTCATATCCCTGAT 141  
DB 61 TAGGAAAGAGCTTTGTTGGGAACCTCGGTTATCGGCTCGTATGTTTCATATCCCTGAT 120

QY 142 TGTCTCTGGCAGTGTGCATTTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC 201  
DB 121 TGTCTCTGGCAGTGTGCATTTGGAGTCACTGTTCAATTATGTGAGATATAATCAAAAGAGAC 180  
QY 202 CTACAATTACTATAGACACATTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 261  
DB 181 CTACAATTACTATAGACACATTTGTCAATTTACAACTGACAACTATATGCTGAGTTTGGCAG 240  
QY 262 AGAGGCTTCTAACAAATTTTACAGAAATGAGCCAGACACTTGAATCAATGTTGAAATGTC 321  
DB 241 AGAGGCTTCTAACAAATTTTACAGAAATGAGCCAGACACTTGAATCAATGTTGAAATGTC 300  
QY 322 ATTTTATAAATCTCCCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTTCAGTCA 381  
DB 301 ATTTTATAAATCTCCCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTTATCAAGTTTCAGTCA 360  
QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTTCACTCTACTGAGGA 441  
DB 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTTCACTCTACTGAGGA 420  
QY 442 TCCTGAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 501  
DB 421 TCCTGAACTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAGCTGCAAGATGCTGT 480  
QY 502 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTTAAAAAATCAACAGACAGAAAC 561  
DB 481 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTTAAAAAATCAACAGACAGAAAC 540  
QY 562 AGCAGATCTTAAACCATTTGCTGCGGAACACAGAAAGTAAACTCTAGTTCAGATGCT 621  
DB 541 AGCAGATCTTAAACCATTTGCTGCGGAACACAGAAAGTAAACTCTAGTTCAGATGCT 600  
QY 622 CAGGATCGTTGGTGGGACAGAACTAGAGAGGCTGATGCGCCCTGCGAGCTAGCCTGCA 681  
DB 601 CAGGATCGTTGGTGGGACAGAACTAGAGAGGCTGATGCGCCCTGCGAGCTAGCCTGCA 660  
QY 682 GTGGATGGGAGTCATCGCTGTGGAGCAACCTTAAATTAATGCCACATGCTTGTGAGTGC 741  
DB 661 GTGGATGGGAGTCATCGCTGTGGAGCAACCTTAAATTAATGCCACATGCTTGTGAGTGC 720  
QY 742 TGCTCACTGTTTACAAATATAAGAACCTGCGAGATGAGTCTCTTCTGAGGATGATAC 801  
DB 721 TGCTCACTGTTTACAAATATAAGAACCTGCGAGATGAGTCTCTTCTGAGGATGATAC 780  
QY 802 AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAAATTAATGTCATGAAATAACAA 861  
DB 781 AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAAATTAATGTCATGAAATAACAA 840  
QY 862 ACACCATCACTGATGATATTTCTCTGTGAGAGCTTTCTAGCCCTGTTCCCTACAC 921  
DB 841 ACACCATCACTGATGATATTTCTCTGTGAGAGCTTTCTAGCCCTGTTCCCTACAC 900  
QY 922 AATGCACTACATGAGTGTGCTCCCTGATGATGATGCTCTATGAGTTTCAACAGGATGAT 981  
DB 901 AATGCACTACATGAGTGTGCTCCCTGATGATGATGCTCTATGAGTTTCAACAGGATGAT 960  
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGMAAAATGATGTTTACAGTCAAAATCATCTTCG 1041  
DB 961 GATGTTTGTGACAGGATTTGGAGCACTGMAAAATGATGTTTACAGTCAAAATCATCTTCG 1020  
QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTCAACTTGCATTAAGAACCTCAAGCTTACATGA 1101  
DB 1021 ACAAGCACAGGTGACTCTCATAGACGCTCAACTTGCATTAAGAACCTCAAGCTTACATGA 1080  
QY 1102 CGCCATACTCTTAGAATGTTTATGCTGCTGCTCTTAGAGGAAACAGATGATGATGCA 1161  
DB 1081 CGCCATACTCTTAGAATGTTTATGCTGCTGCTCTTAGAGGAAACAGATGATGATGCA 1140  
QY 1162 GGTGATCTCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG 1221  
DB 1141 GGTGATCTCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG 1200



QY 1102 CGCCATAAATCTCTAGAAATGTTATGTGCTGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1161  
Db 1081 CGCCATAAATCTCTAGAAATGTTATGTGCTGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1140  
QY 1162 GGTGATCTCTGGAGGACCACTGTTATGTTAGTTCAGATGCTAGAGATATCTGTFACCTTCTGTCG 1221  
Db 1141 GGTGATCTCTGGAGGACCACTGTTATGTTAGTTCAGATGCTAGAGATATCTGTFACCTTCTGTCG 1200  
QY 1222 AATAGTGAGCTCGGGAGATGAATGTGGAAACCCACACAGCTGCTGTTTATATCTAGAGT 1281  
Db 1201 AATAGTGAGCTCGGGAGATGAATGTGGAAACCCACACAGCTGCTGTTTATATCTAGAGT 1260  
QY 1282 TAGGGCTTTGCGGACTGGATTAATCTCAAAAACTGGTATCTAAGAGAGAAAAAGCTCATG 1341  
Db 1261 TAGGGCTTTGCGGACTGGATTAATCTCAAAAACTGGTATCTAAGAGAGAAAAAGCTCATG 1320  
QY 1342 GAACAGATAACATTTTTTTTTTTTTTTTTTTTGGGTGTGGAGGCCATTTTATAGATACAGAAT 1401  
Db 1321 GAACAGATAACATTTTTTTTTTTTTTTTTTTTGGGTGTGGAGGCCATTTTATAGATACAGAAT 1380  
QY 1402 TGGAGAGACTTGCAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGTCTGATGC 1461  
Db 1381 TGGAGAGACTTGCAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGTCTGATGC 1440  
QY 1462 A 1462  
Db 1441 A 1441

## RESULT 12

US-10-063-745-105  
; Sequence 105, Application US/10063745  
; Publication No. US20040058411A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230R1C1  
; CURRENT APPLICATION NUMBER: US/10/063,745  
; CURRENT FILING DATE: 2002-05-09 - See Palm or File Wrapper  
; Prior Application removed -  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 105  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-063-745-105

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;  
QY 22 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGGCCAGATGTGGTAGGGC 81  
Db 1 CCTTCACAGACTCTTCATGCTGGTGGCAATGATGTATCGGCCAGATGTGGTAGGGC 60  
QY 82 TAGGAAAGAGTTGTTGGAAACCTGGGTTATCGGCTCGTCACTGTTATATCCCTGAT 141  
Db 61 TAGGAAAGAGTTGTTGGAAACCTCGGTTATCGGCTCGTCACTGTTATATCCCTGAT 120  
QY 142 TGTCTCGGAGTGTGATGGATGCACTGTTCAATTATGTAGATATAATCAAAAGAGAC 201  
Db 121 TGTCTCGGAGTGTGATGGATGCACTGTTCAATTATGTAGATATAATCAAAAGAGAC 180  
QY 202 CTACAACTACTAGACATTTGCTCACTTCAAACTGACAACTATATGCTGAGTTGGCAG 261

Db 181 CTACAACTACTAGACATTTGCTCACTTCAAACTGACAACTATATGCTGAGTTGGCAG 240  
QY 262 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321  
Db 241 AGAGGCTTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300  
QY 322 ATTTTATTAATCTCCATTAAGGGAAGAAATTTCTCAAGTCTCAGGTTTATCAAGTTCAGTCA 381  
Db 301 ATTTTATTAATCTCCATTAAGGGAAGAAATTTCTCAAGTCTCAGGTTTATCAAGTTCAGTCA 360  
QY 382 ACAGAAGCATGAGTGTGCTCATATGCTGTTTGAATTTTGTAGATTTTCACTCTACTCAGGA 441  
Db 361 ACAGAAGCATGAGTGTGCTCATATGCTGTTTGAATTTTGTAGATTTTCACTCTACTCAGGA 420  
QY 442 TCTGTAACTGTAGATAAAATTTGTTCAACTGTTTTCATGATGAAGCTGCAAGATGCTGT 501  
Db 421 TCTGTAACTGTAGATAAAATTTGTTCAACTGTTTTCATGATGAAGCTGCAAGATGCTGT 480  
QY 502 AGAGCCCCCTAAAGTAGATCTCTCAGTCAAGTAAATTTAAAAAATCAACAAGACAGAAAC 561  
Db 481 AGAGCCCCCTAAAGTAGATCTCTCAGTCAAGTAAATTTAAAAAATCAACAAGACAGAAAC 540  
QY 562 AGACAGCTATCTAAACCATTTGCTGCGGAACACGAGAAGTAAATCTCTAGGTCAGAGTCT 621  
Db 541 AGACAGCTATCTAAACCATTTGCTGCGGAACACGAGAAGTAAATCTCTAGGTCAGAGTCT 600  
QY 622 CAGGATCGTTGTTGGACAGAAATGAGAGAGGTTGAATGGCCCTGCGAGGCTAGCCTGCA 681  
Db 601 CAGGATCGTTGTTGGACAGAAATGAGAGAGGTTGAATGGCCCTGCGAGGCTAGCCTGCA 660  
QY 682 GTGGGATGGAGTCACTCGCTGTTGGAGCAACCTTAATTAATGCAACATGCTGTTGAGTGC 741  
Db 661 GTGGGATGGAGTCACTCGCTGTTGGAGCAACCTTAATTAATGCAACATGCTGTTGAGTGC 720  
QY 742 TGCTCACTGTTTTTACAACATATAAGAAACCTGCCAGATGGAATGCTTCTTTGGAGTAAC 801  
Db 721 TGCTCACTGTTTTTACAACATATAAGAAACCTGCCAGATGGAATGCTTCTTTGGAGTAAC 780  
QY 802 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATAATGTCCTCAAGAAATACAA 861  
Db 781 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATAATGTCCTCAAGAAATACAA 840  
QY 862 ACACCCATCACATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 921  
Db 841 ACACCCATCACATGACTATGATATTTCTCTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 900  
QY 922 AAATGCACTACATAGAGTTTGTCTCCCTGATGCACTCCTTAAGTGTTCACACAGGTGATGT 981  
Db 901 AAATGCACTACATAGAGTTTGTCTCCCTGATGCACTCCTTAAGTGTTCACACAGGTGATGT 960  
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041  
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020  
QY 1042 ACAAGCACAGGTGACTCTCATAGAGCTACAACTTGCATGAACCTCAAGCTTACAATGA 1101  
Db 1021 ACAAGCACAGGTGACTCTCATAGAGCTACAACTTGCATGAACCTCAAGCTTACAATGA 1080  
QY 1102 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1161  
Db 1081 CGCCATAACTCTAGAAATGTTATGCTGGCTCCTTAGAAGGAAAAACAGATGCATGCCA 1140  
QY 1162 GGTGATCTCTGAGAGACCACTGTTTGTAGTTTCAAGATGCTAGAGATATCTGTTACTGCTGG 1221  
Db 1141 GGTGATCTCTGAGAGACCACTGTTTGTAGTTTCAAGATGCTAGAGATATCTGTTACTGCTGG 1200  
QY 1222 AATAGTGAGCTCGGAGATGAATGTGGAAAAACCAACAGCCCTGGTGTATATCTAGAGT 1281  
Db 1201 AATAGTGAGCTCGGAGATGAATGTGGAAAAACCAACAGCCCTGGTGTATATCTAGAGT 1260  
QY 1282 TAGGGCTTGGCGGACTGGATTTACTTCAAAACTGTTATCTAAGAGAGAAAGCCCTCATG 1341





RESULT 14  
US-10-063-513-105  
; Sequence 105, Application US/10063513  
; Publication No. US20030018172A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3230RIC1  
; CURRENT FILING DATE: 2002-05-01  
; Prior Application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 170  
; SEQ ID NO 105  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-063-513-105

Query Match 97.5%; Score 1434.6; DB 13; Length 2103;  
Best Local Similarity 99.7%; Pred. No. 0;  
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACGAGCTCTTCATTGCTGGTGGCAATGATGCTATCGGCCAGATGTGGTGGGC 81  
Db 1 CCTTCACGAGCTCTTCATTGCTGGTGGCAATGATGCTATCGGCCAGATGTGGTGGGC 60

QY 82 TAGGAAAGAGTTGTTGGAAACCTCGGTTATCGGCTCGTCATGTCATATCCCTGAT 141  
Db 61 TAGGAAAGAGTTGTTGGAAACCTCGGTTATCGGCTCGTCATGTCATATCCCTGAT 120

QY 142 TGTCCTGGCAGTGTGATGAGTCACTGTTCAATATGAGATATATCAATCAAGAGAC 201  
Db 121 TGTCCTGGCAGTGTGATGAGTCACTGTTCAATATGAGATATATCAATCAAGAGAC 180

QY 202 CTACAAATTAATAGACATGTCATTCACTGACAACTGACAACTATGCTGAGTTGGCAG 261  
Db 181 CTACAAATTAATAGACATGTCATTCACTGACAACTATGCTGAGTTGGCAG 240

QY 262 AGAGGCTTCAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC 321  
Db 241 AGAGGCTTCAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC 300

QY 322 ATTTTAAATCTCCATTAGGAGAGAAATTTGTCAGTCTCAGTTTCAAGTTCAAGTCA 381  
Db 301 ATTTTAAATCTCCATTAGGAGAGAAATTTGTCAGTCTCAGTTTCAAGTTCAAGTCA 360

QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA 441  
Db 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTTCACTCTACTGAGGA 420

QY 442 TCTGAAATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 501  
Db 421 TCTGAAATCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 480

QY 502 AGAGCCCTTAAAGTAGATCTCACTCAGTTGATGATGATGATGATGATGATGATGATGAT 561  
Db 481 AGAGCCCTTAAAGTAGATCTCACTCAGTTGATGATGATGATGATGATGATGATGATGAT 540

QY 562 AGACAGCTATCAAAACATTTGCTGCGGAAACACGAAAGAGTAAACTCTAGTCTAGTCT 621  
Db 541 AGACAGCTATCAAAACATTTGCTGCGGAAACACGAAAGAGTAAACTCTAGTCTAGTCT 600

QY 622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCTGCA 681

Db 601 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGCTAGCCTGCA 660  
QY 682 GTGGGATGGAGTCAATCGCTGTGGAGCAACCTTAATTAATTAATTAATTAATTAATTAAT 741  
Db 661 GTGGGATGGAGTCAATCGCTGTGGAGCAACCTTAATTAATTAATTAATTAATTAATTAAT 720  
QY 742 TGCTCACTGCTTTTACAAATATAAGAACCCCTCCAGATGGAGTCTGCTCTCTTTGGAGTAAC 801  
Db 721 TGCTCACTGCTTTTACAAATATAAGAACCCCTCCAGATGGAGTCTGCTCTCTTTGGAGTAAC 780  
QY 802 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGATAAATGTTCCATGAAAAATACAA 861  
Db 781 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGGAGATAAATGTTCCATGAAAAATACAA 840  
QY 862 ACACCCATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 921  
Db 841 ACACCCATCAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 900  
QY 922 AATGCACTACATAGAGTTTGTCTCCCTGATGATGATGATGATGATGATGATGATGATGAT 981  
Db 901 AATGCACTACATAGAGTTTGTCTCCCTGATGATGATGATGATGATGATGATGATGATGAT 960  
QY 982 GATGTTTGTACAGGATTTTGGAGCACTGAAAAATGATGATGATGATGATGATGATGATGAT 1041  
Db 961 GATGTTTGTACAGGATTTTGGAGCACTGAAAAATGATGATGATGATGATGATGATGATGAT 1020  
QY 1042 ACAGCAGAGTCACTCTCATAGAGCTACAGCTGCACTGCACTGCACTGCACTGCACTGCA 1101  
Db 1021 ACAGCAGAGTCACTCTCATAGAGCTACAGCTGCACTGCACTGCACTGCACTGCACTGCA 1080  
QY 1102 CGCCATAACTCTAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1161  
Db 1081 CGCCATAACTCTAGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140  
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTGTAGTTTGTAGTTTGTAGTTTGTAGTTTGTAG 1221  
Db 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTGTAGTTTGTAGTTTGTAGTTTGTAGTTTGTAG 1200  
QY 1222 AATAGTGAAGCTGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1281  
Db 1201 AATAGTGAAGCTGGGAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1260  
QY 1282 TAGCGGCTTTGGGAGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1341  
Db 1261 TAGCGGCTTTGGGAGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1320  
QY 1342 GAACAGATAAATTT 1401  
Db 1321 GAACAGATAAATTT 1380  
QY 1402 TGGAGAGAGCTTGCAGAAACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1461  
Db 1381 TGGAGAGAGCTTGCAGAAACAGCTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1440  
QY 1462 A 1462  
Db 1441 A 1441

RESULT 15  
US-10-063-549-105  
; Sequence 105, Application US/10063549  
; Publication No. US20030027986A1  
; GENERAL INFORMATION:  
; APPLICANT: Eaton, Dan L.  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Grimaldi, Christopher J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Watanabe, Colin K.



```

; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,549
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 105
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-549-105

Query Match      97.5%; Score 1434.6; DB 13; Length 2103;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1437; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTCTTCATTGCTGCTGGCAATGATGTATCGGCCAGATGTGGTGAGGCG 81
Db 1 CCTTCACAGGACTCTTCATTGCTGCTGGCAATGATGTATCGGCCAGATGTGGTGAGGCG 60
QY 82 TAGGAAAAGAGTTGTTGGGAAACCTCGGTTATCGGCTCGTCATGTTCAATCCCTGAT 141
Db 61 TAGGAAAAGAGTTGTTGGGAAACCTCGGTTATCGGCTCGTCATGTTCAATCCCTGAT 120
QY 142 TGTCTGCGCAGTGTGATGAGTGGAGTCACTGTTTCAATTATGTGAGATATATCAAGAAGAC 201
Db 121 TGTCTGCGCAGTGTGATGAGTGGAGTCACTGTTTCAATTATGTGAGATATATCAAGAAGAC 180
QY 202 CTACAATTACTATAGACATTTCTCAATTATCAACTGACAACTATATGCTGAGTTTGGCAG 261
Db 181 CTACAATTACTATAGACATTTCTCAATTATCAACTGACAACTATATGCTGAGTTTGGCAG 240
QY 262 AGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 321
Db 241 AGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAAATGC 300
QY 322 ATTTTATAAATCTCCATTAAGGAGAAATTTCTCAAGTCTCAGTGTATCAAGTTTCAGTCA 381
Db 301 ATTTTATAAATCTCCATTAAGGAGAAATTTCTCAAGTCTCAGTGTATCAAGTTTCAGTCA 360
QY 382 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 441
Db 361 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 420
QY 442 TCCTGAAATCTGATAGATAAATTTGTTCAACTGTTTACATGAAAGCTGCAAGTCTGT 501
Db 421 TCCTGAAATCTGATAGATAAATTTGTTCAACTGTTTACATGAAAGCTGCAAGTCTGT 480
QY 502 AGGACCCCTAAAGTAGATCTCTCACTCAGTAAATTTAAATAATCAACAAGACAGAAC 561
Db 481 AGGACCCCTAAAGTAGATCTCTCACTCAGTAAATTTAAATAATCAACAAGACAGAAC 540
QY 562 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGGAGAGTAAATCTTAGGTCAGAGTCT 621
Db 541 AGACAGCTATCTAAACCAATTTGCTGGGAAACAGGAGAGTAAATCTTAGGTCAGAGTCT 600
QY 622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGTTGAATGGCCCTGGCAGGCTAGCCTGCA 681
Db 601 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGTTGAATGGCCCTGGCAGGCTAGCCTGCA 660
QY 682 GTGGATGGGAGTCACTCGCTGTGGGCAACCTTAATTAATGCCACATGGCTGTGAGTGC 741
Db 661 GTGGATGGGAGTCACTCGCTGTGGGCAACCTTAATTAATGCCACATGGCTGTGAGTGC 720
QY 742 TGCTCACTGTTTACACATATAAGAACCTCGCAGATGGAGTCTGCTTCTTTGGAGTAAC 801
Db 721 TGCTCACTGTTTACACATATAAGAACCTCGCAGATGGAGTCTGCTTCTTTGGAGTAAC 780
QY 802 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGAGAAATAATTTGTCATGAAAATAACAA 861
Db 781 AATAAAACCTTCGAAAATGAAACGGGGTCTCCGAGAAATAATTTGTCATGAAAATAACAA 840

```

```

QY 862 ACACCCATCATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC 921
Db 841 ACACCCATCATGACTATGATATTTCTCTTGCAGAGCTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCTATCCCTATGAGTTTCAACAGGTTGAT 981
Db 901 AAATGCAGTACATAGAGTTTGTCTCCCTGATGCTATCCCTATGAGTTTCAACAGGTTGAT 960
QY 982 GATGTTTGTGACAGGATTTGGAGCAGCTGAAAATAATGATGTTTACAGTAAAATCATCTTCG 1041
Db 961 GATGTTTGTGACAGGATTTGGAGCAGCTGAAAATAATGATGTTTACAGTAAAATCATCTTCG 1020
QY 1042 ACAAGCAGGTTGACTCTCATAGAGCTTACAACTTGCATGAACCTCAAGCTTACAATCA 1101
Db 1021 ACAAGCAGGTTGACTCTCATAGAGCTTACAACTTGCATGAACCTCAAGCTTACAATCA 1080
QY 1102 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCCCTTAGAAGGAAAACAGATGCATGCCA 1161
Db 1081 CGCCATAACTCTCTAGAAATGTTATGCTGGCTCCCTTAGAAGGAAAACAGATGCATGCCA 1140
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCTAGATGCTAGATATCTGGTACTCTTCTGG 1221
Db 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTCTAGATGCTAGATATCTGGTACTCTTCTGG 1200
QY 1222 AATAGTGAGCTCGGGAGAGATGAATGCGAAACCCCAAGCCCTGCTGTTTATCTAGTAGT 1281
Db 1201 AATAGTGAGCTCGGGAGAGATGAATGCGAAACCCCAAGCCCTGCTGTTTATCTAGTAGT 1260
QY 1282 TACGGCTTGGGGGACTGGATTACTTCAAAAACCTGTTATCTAAGAGAGAAAAGCCTCATG 1341
Db 1261 TACGGCTTGGGGGACTGGATTACTTCAAAAACCTGTTATCTAAGAGAGAAAAGCCTCATG 1320
QY 1342 GAACAGATAACAATTTTTTTTTTTTTTTGGGTGGAGGCCCAATTTTATAGAGATACAGAT 1401
Db 1321 GAACAGATAACAATTTTTTTTTTTTTTTGGGTGGAGGCCCAATTTTATAGAGATACAGAT 1380
QY 1402 TGGAGAAGACTTGCAAAACAGCTAGATTGCTGATCTCAATAAACTGTTTCTGTTGATGC 1461
Db 1381 TGGAGAAGACTTGCAAAACAGCTAGATTGCTGATCTCAATAAACTGTTTCTGTTGATGC 1440
QY 1462 A 1462
Db 1441 A 1441

```

Search completed: May 16, 2004, 05:31:48  
Job time : 673.5 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: May 15, 2004, 23:50:33 ; Search time 653.5 Seconds  
(without alignments)  
10214.950 Million cell updates/sec

Title: US-09-674-035B-1

Perfect score: 1471

Sequence: 1 tgacttgatgtagacctgcg.....tgctgatgcaaaaaaaaaa 1471

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/prodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/prodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/prodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/prodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/prodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/prodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/prodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/prodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/prodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 10: /cgn2\_6/prodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/prodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/prodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/prodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/prodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 15: /cgn2\_6/prodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 16: /cgn2\_6/prodata/2/pubpna/US10C\_PUBCOMB.seq:\*
- 17: /cgn2\_6/prodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/prodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 19: /cgn2\_6/prodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1469.8	99.9	1471	16	US-10-156-214A-27
2	1469.8	99.9	1471	16	US-10-156-214A-40
3	1450	98.6	2058	10	US-09-796-753-145
4	1439.4	97.9	2103	10	US-09-946-374-268
5	1439.4	97.9	2103	12	US-10-015-395A-268
6	1439.4	97.9	2103	13	US-10-206-915-319
7	1439.4	97.9	2103	13	US-10-199-670-319
8	1439.4	97.9	2103	13	US-10-201-858-319
9	1439.4	97.9	2103	13	US-10-205-890-319
10	1439.4	97.9	2103	13	US-10-208-024-319
11	1439.4	97.9	2103	13	US-10-201-853-319
12	1439.4	97.9	2103	13	US-10-063-745-105
13	1439.4	97.9	2103	13	US-10-063-512-105
14	1439.4	97.9	2103	13	US-10-063-513-105

15	1439.4	97.9	2103	13	US-10-063-549-105	Sequence 105, App
16	1439.4	97.9	2103	13	US-10-063-569-105	Sequence 105, App
17	1439.4	97.9	2103	13	US-10-063-551-105	Sequence 105, App
18	1439.4	97.9	2103	13	US-10-174-581-319	Sequence 319, App
19	1439.4	97.9	2103	13	US-10-176-483-319	Sequence 319, App
20	1439.4	97.9	2103	13	US-10-176-749-319	Sequence 319, App
21	1439.4	97.9	2103	13	US-10-176-914-319	Sequence 319, App
22	1439.4	97.9	2103	13	US-10-176-915-319	Sequence 319, App
23	1439.4	97.9	2103	13	US-10-006-485A-268	Sequence 268, App
24	1439.4	97.9	2103	13	US-10-013-907A-268	Sequence 268, App
25	1439.4	97.9	2103	13	US-10-015-459A-268	Sequence 268, App
26	1439.4	97.9	2103	13	US-10-063-555-105	Sequence 105, App
27	1439.4	97.9	2103	13	US-10-063-563-105	Sequence 105, App
28	1439.4	97.9	2103	13	US-10-063-594-105	Sequence 105, App
29	1439.4	97.9	2103	13	US-10-063-553-105	Sequence 105, App
30	1439.4	97.9	2103	13	US-10-063-554-105	Sequence 105, App
31	1439.4	97.9	2103	13	US-10-176-484-319	Sequence 319, App
32	1439.4	97.9	2103	13	US-10-180-550-319	Sequence 319, App
33	1439.4	97.9	2103	13	US-10-183-014-319	Sequence 319, App
34	1439.4	97.9	2103	13	US-10-187-738-319	Sequence 319, App
35	1439.4	97.9	2103	13	US-10-187-740-319	Sequence 319, App
36	1439.4	97.9	2103	13	US-10-187-883-319	Sequence 319, App
37	1439.4	97.9	2103	13	US-10-194-363-319	Sequence 319, App
38	1439.4	97.9	2103	13	US-10-194-460-319	Sequence 319, App
39	1439.4	97.9	2103	13	US-10-194-463-319	Sequence 319, App
40	1439.4	97.9	2103	13	US-10-194-484-319	Sequence 319, App
41	1439.4	97.9	2103	13	US-10-195-884-319	Sequence 319, App
42	1439.4	97.9	2103	13	US-10-195-896-319	Sequence 319, App
43	1439.4	97.9	2103	13	US-10-196-744-319	Sequence 319, App
44	1439.4	97.9	2103	13	US-10-196-755-319	Sequence 319, App
45	1439.4	97.9	2103	13	US-10-196-757-319	Sequence 319, App

ALIGNMENTS

RESULT 1  
US-10-156-214A-27  
; Sequence 27, Application US/10156214A  
; Publication No. US20040001801A1  
; GENERAL INFORMATION:  
; APPLICANT: Edwin L. Madison  
; APPLICANT: Joseph Edward Semple  
; APPLICANT: George P. Vlasuk  
; APPLICANT: Scott Jeffrey Kemp  
; APPLICANT: Mallareddy Komandla  
; APPLICANT: Daniel Yanna Siev  
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic  
; FILE REFERENCE: 24745-1611  
; CURRENT FILING DATE: 2002-05-23  
; NUMBER OF SEQ ID NOS: 611  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 27  
; LENGTH: 1471  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
; FEATURE:  
; NAME/Key: misc feature  
; LOCATION: (626)...(1324)  
; OTHER INFORMATION: DESC1 gene  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (56)...(1324)  
; OTHER INFORMATION: protease domain  
US-10-156-214A-27

Query Match 99.9%; Score 1469.8; DB 16; Length 1471;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1468; Conservative 3; Mismatches 0; Gaps 0;  
Qy 1 TGACTTGGATGTAGACCTCGACCTTCACAGGACTTTCATGTGCTGGTGGCAATGATGTA 60

Db 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATTCGTGGTGGCAATGATGA 60  
QY 61 TCGGCCAGATGTGGTGAAGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCT 120  
Db 61 TCGGCCAGATGTGGTGAAGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCT 120  
QY 121 CGTCATCTTCATATCCCTGATGTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180  
Db 121 CGTCATCTTCATATCCCTGATGTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180  
QY 181 GAGATATAATCAAAAGAGGCTACAAATTTACTATAGCACATGTCATTACAACTGACAA 240  
Db 181 GAGATATAATCAAAAGAGGCTACAAATTTACTATAGCACATGTCATTACAACTGACAA 240  
QY 241 ACTATATGCTGAGTTTGGCAGAGGCTCTTAACAAATTTACAGAAATGAGCCAGACT 300  
Db 241 ACTATATGCTGAGTTTGGCAGAGGCTCTTAACAAATTTACAGAAATGAGCCAGACT 300  
QY 301 TGAATCAATGCTGAAATGATGCTTATTAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360  
Db 301 TGAATCAATGCTGAAATGATGCTTATTAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360  
QY 361 TCAGGTTATCAAGTTTCAGTCAACAGAGGCTAGGAGTGTGGCTCATATGCTGTTGATTG 420  
Db 361 TCAGGTTATCAAGTTTCAGTCAACAGAGGCTAGGAGTGTGGCTCATATGCTGTTGATTG 420  
QY 421 TAGATTTCACTCTACTGAGGATCTGAACTGTAGATAAATTTCTCAACTGTTTACA 480  
Db 421 TAGATTTCACTCTACTGAGGATCTGAACTGTAGATAAATTTCTCAACTGTTTACA 480  
QY 481 TGAAGAGCTGCAAGATGCTGAGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTA 540  
Db 481 TGAAGAGCTGCAAGATGCTGAGGACCCCTTAAAGTAGATCTCTCACTCAGTTAAATTA 540  
QY 541 AAAAATCAACAGAGCAAGAAACAGACAGTCTATTAACCAATTCCTGGGAAACAGAGAG 600  
Db 541 AAAAATCAACAGAGCAAGAAACAGACAGTCTATTAACCAATTCCTGGGAAACAGAGAG 600  
QY 601 TAAACCTTAGCTCAGAGTCTCAGGATGCTGTTGGGACAGAGTGTAGAGGAGGTGAATG 660  
Db 601 TAAACCTTAGCTCAGAGTCTCAGGATGCTGTTGGGACAGAGTGTAGAGGAGGTGAATG 660  
QY 661 GCCCTGGCAGCTAGCTGAGTGGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTA 720  
Db 661 GCCCTGGCAGCTAGCTGAGTGGGATGGGAGTCACTGCTGTGGAGCAACCTTAATTA 720  
QY 721 TGGCAGATGGCTTGTGAGTGTGCTCACTGTTTACACATATTAAGAACCTTCCAGATG 780  
Db 721 TGGCAGATGGCTTGTGAGTGTGCTCACTGTTTACACATATTAAGAACCTTCCAGATG 780  
QY 781 GACTGCTTCTTTGGAGTAAACAATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAA 840  
Db 781 GACTGCTTCTTTGGAGTAAACAATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAA 840  
QY 841 AATTGTCCATGAAATAACAAACCCATCACTGATGATATTTCTTTCGAGAGCT 900  
Db 841 AATTGTCCATGAAATAACAAACCCATCACTGATGATATTTCTTTCGAGAGCT 900  
QY 901 TTCTAGCCCTGTTCCCTACACAAATGCGAGTACATAGATTTGTCTCCCTGATGATCCTA 960  
Db 901 TTCTAGCCCTGTTCCCTACACAAATGCGAGTACATAGATTTGTCTCCCTGATGATCCTA 960  
QY 961 TGAGTTTCAACAGGTTGATGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGG 1020  
Db 961 TGAGTTTCAACAGGTTGATGATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGG 1020  
QY 1021 TTACAGTCAAAATCATCTTCGACAGCAGAGTGTCTCTCATAGACGCTTACAACTTGCAA 1080  
Db 1021 TTACAGTCAAAATCATCTTCGACAGCAGAGTGTCTCTCATAGACGCTTACAACTTGCAA 1080  
QY 1081 TGAACCTCAGCTTACATGAGCCCACTACTCTAGATGTTTATGCTGGCTCCTTAGA 1140

Db 1081 TGAACCTCAGCTTACATGAGCCATAACTCCTAGATGTTATGTGCTGGCTCCTTAGA 1140  
QY 1141 AGGAAAAACAGATGATGCCAGGCTGACTCTCGAGACCACTGTTAGTTTCAATGCTAG 1200  
Db 1141 AGGAAAAACAGATGATGCCAGGCTGACTCTCGAGACCACTGTTAGTTTCAATGCTAG 1200  
QY 1201 AGATATCTGATACCTTGTCTGGAATAGTGAAGTGGGAGATGAATGTGCGAAACCCAA 1260  
Db 1201 AGATATCTGATACCTTGTCTGGAATAGTGAAGTGGGAGATGAATGTGCGAAACCCAA 1260  
QY 1261 GCCTGCTGTTTATACATAGATGTTACGGCTTGGGGAGTGGATTTCTCAAAATCGTAT 1320  
Db 1261 GCCTGCTGTTTATACATAGATGTTACGGCTTGGGGAGTGGATTTCTCAAAATCGTAT 1320  
QY 1321 CTAAAGAGAAAAAGCCTCATGGAACAGATAAATTTTTTTTCTGCTTTTGGGTGGAGG 1380  
Db 1321 CTAAAGAGAAAAAGCCTCATGGAACAGATAAATTTTTTTTCTGCTTTTGGGTGGAGG 1380  
QY 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTTGCAAAACAGCTAGATTTGATGATCTC 1440  
Db 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTTGCAAAACAGCTAGATTTGATGATCTC 1440  
QY 1441 AATAAACTGTTTCTGCTGATGCAAAAAA 1471  
Db 1441 AATAAACTGTTTCTGCTGATCAAAAAA 1471

## RESULT 2

US-10-156-214A-40  
; Sequence 40, Application US/10156214A  
; Publication No. US20040001801A1  
; GENERAL INFORMATION:  
; APPLICANT: Edwin L. Madison  
; APPLICANT: Joseph Edward Sample  
; APPLICANT: George P. Viasuk  
; APPLICANT: Scott Jeffrey Kemp  
; APPLICANT: Mallareddy Komandla  
; APPLICANT: Daniel Vanna Siev  
; TITLE OF INVENTION: Conjugates Activated By Cell Surface Proteases and Therapeutic  
; TITLE OF INVENTION: Theresof  
; FILE REFERENCE: 24745-1611  
; CURRENT APPLICATION NUMBER: US/10/156,214A  
; CURRENT FILING DATE: 2002-05-23  
; NUMBER OF SEQ ID NOS: 611  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 40  
; LENGTH: 1471  
; TYPE: DNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: DBS1 gene  
; NAME/KEY: misc feature  
; LOCATION: (626)...(1324)  
; OTHER INFORMATION: protease domain  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (56)...(1324)  
US-10-156-214A-40

Query Match 99.9%; Score 1469.8; DB 16; Length 1471;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 1468; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATTCGTGGTGGCAATGATGA 60  
Db 1 TGACTTGGATGTAGACCTCGACCTTACAGAGACTCTTCATTCGTGGTGGCAATGATGA 60  
QY 61 TCGGCCAGATGTGGTGAAGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCT 120  
Db 61 TCGGCCAGATGTGGTGAAGGCTAGGAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCCT 120  
QY 121 CGTCATCTTCATATCCCTGATGTCCTGGCAGTGTGCATTGGAGCTCACTGTTCAATTATGT 180

Db 121 CGTCATSTTCATATCCCTGATTTGCTGGCAGTGTGCAATGGASTCACTGTCATTATGT 180  
 QY 181 GAGATATAATCAAAAGAAGCCTTACAATTAATACTATAGCAACATGTGCTATTAACAATGACAA 240  
 Db 181 GAGATATAATCAAAAGAAGCCTTACAATTAATACTATAGCAACATGTGCTATTAACAATGACAA 240  
 QY 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACT 300  
 Db 241 ACTATATGCTGAGTTTGGCAGAGAGGCTTCTAACAATTTTACAGAAATGAGCCAGAGACT 300  
 QY 301 TGAATCAATGCTGAAAATGCAATTTTATAAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360  
 Db 301 TGAATCAATGCTGAAAATGCAATTTTATAAATCTCCATTAAGGGAAGAAATTTGTCAAGTC 360  
 QY 361 TCAGGTATCAAGTTCAAGTCAAGCAAGAGCATGAGTGTGCTCATATGCTGTTGATTTG 420  
 Db 361 TCAGGTATCAAGTTCAAGTCAAGCAAGAGCATGAGTGTGCTCATATGCTGTTGATTTG 420  
 QY 421 TAGATTTCACTCTACTGAGGATCCTGAACTCTAGATAAAATGTTCAACTGTTTACA 480  
 Db 421 TAGATTTCACTCTACTGAGGATCCTGAACTCTAGATAAAATGTTTCAACTGTTTACA 480  
 QY 481 TGAAGAAGTCAAGATGCTAGGACCCCTTAAAGTAGATCCTCACTCACTTAAATTA 540  
 Db 481 TGAAGAAGTCAAGATGCTAGGACCCCTTAAAGTAGATCCTCACTCACTTAAATTA 540  
 QY 541 AAAAAACAAGACAGACAGACACTATCAACCAATGCTGCGGACACAGAGAAG 600  
 Db 541 AAAAAACAAGACAGACAGACACTATCAACCAATGCTGCGGACACAGAGAAG 600  
 QY 601 TAAAACTCTAGGTCAGAGTCTCAGGATCGTTGGGACAGAGTGAAGAGGTTGATG 660  
 Db 601 TAAAACTCTAGGTCAGAGTCTCAGGATCGTTGGGACAGAGTGAAGAGGTTGATG 660  
 QY 661 GCCCTGCGAGGTCAGCTGAGTGGGATGGAGTCACTGCTGTGGAGCAACCTTAATTA 720  
 Db 661 GCCCTGCGAGGTCAGCTGAGTGGGATGGAGTCACTGCTGTGGAGCAACCTTAATTA 720  
 QY 721 TGCCACATGCTGTGAGTCTGCTACTGTTTACACATATAGAACCTGCGCAGATG 780  
 Db 721 TGCCACATGCTGTGAGTCTGCTACTGTTTACACATATAGAACCTGCGCAGATG 780  
 QY 781 GACTGCTTCTCTGGAGTAAACAATAAACCCTTGAAGATGAACCGGGTCTCCGAGAT 840  
 Db 781 GACTGCTTCTCTGGAGTAAACAATAAACCCTTGAAGATGAACCGGGTCTCCGAGAT 840  
 QY 841 AATGTCATGAAAATACAAAACCCATCAATGATGATGATTTCTCTTGAGAGCT 900  
 Db 841 AATGTCATGAAAATACAAAACCCATCAATGATGATGATTTCTCTTGAGAGCT 900  
 QY 901 TTCTAGCCCTGTTCCCTACACAAATGAGTACATAGAGTTGCTCCTGATGATCCTTA 960  
 Db 901 TTCTAGCCCTGTTCCCTACACAAATGAGTACATAGAGTTGCTCCTGATGATCCTTA 960  
 QY 961 TGAGTTTCAACCGGTCATGATGTTTGTGACAGGATTTGGAGCACTGAAAATGATG 1020  
 Db 961 TGAGTTTCAACCGGTCATGATGTTTGTGACAGGATTTGGAGCACTGAAAATGATG 1020  
 QY 1021 TTACAGTCAAAATCATCTTGAAGACAGCAGGTGACTCTCATAGACGCTACACTGCAA 1080  
 Db 1021 TTACAGTCAAAATCATCTTGAAGACAGCAGGTGACTCTCATAGACGCTACACTGCAA 1080  
 QY 1081 TGAACCTCAAGCTTACAAATGAGCCTAACTCCPAGAGTGTATGCTGCTGCTCTTAGA 1140  
 Db 1081 TGAACCTCAAGCTTACAAATGAGCCTAACTCCPAGAGTGTATGCTGCTGCTCTTAGA 1140  
 QY 1141 AGGAAAAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200  
 Db 1141 AGGAAAAACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200  
 QY 1201 AGATATCTGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1260

RESULT 3

US-09-796-753-145  
 ; Sequence 145, Application US/09796753  
 ; Publication No. US20030027998A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: McCarthy, Sean A.  
 ; TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF  
 ; FILE REFERENCE: 7853-227-999  
 ; CURRENT APPLICATION NUMBER: US/09796,753  
 ; CURRENT FILING DATE: 2001-03-01  
 ; PRIOR APPLICATION NUMBER: 09/183,175  
 ; PRIOR FILING DATE: 1998-10-30  
 ; PRIOR APPLICATION NUMBER: 09/223,094  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/223,546  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/224,246  
 ; PRIOR FILING DATE: 1998-12-30  
 ; PRIOR APPLICATION NUMBER: 09/259,388  
 ; PRIOR FILING DATE: 1999-02-26  
 ; PRIOR APPLICATION NUMBER: 60/122,458  
 ; PRIOR FILING DATE: 1999-03-01  
 ; PRIOR APPLICATION NUMBER: 09/312,359  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 09/336,536  
 ; PRIOR FILING DATE: 1999-06-18  
 ; PRIOR APPLICATION NUMBER: 09/342,687  
 ; PRIOR FILING DATE: 1999-06-29  
 ; PRIOR APPLICATION NUMBER: 09/345,464  
 ; PRIOR FILING DATE: 1999-06-30  
 ; PRIOR APPLICATION NUMBER: 09/365,164  
 ; PRIOR FILING DATE: 1999-07-30  
 ; PRIOR APPLICATION NUMBER: 09/399,723  
 ; PRIOR FILING DATE: 1999-09-20  
 ; PRIOR APPLICATION NUMBER: 09/409,634  
 ; PRIOR FILING DATE: 1999-09-30  
 ; PRIOR APPLICATION NUMBER: 09/471,179  
 ; PRIOR FILING DATE: 1999-12-23  
 ; PRIOR APPLICATION NUMBER: 09/474,071  
 ; PRIOR FILING DATE: 1999-12-29  
 ; PRIOR APPLICATION NUMBER: 09/474,072  
 ; PRIOR FILING DATE: 1999-12-29  
 ; PRIOR APPLICATION NUMBER: 09/514,010  
 ; PRIOR FILING DATE: 2000-02-25  
 ; PRIOR APPLICATION NUMBER: 09/516,745  
 ; PRIOR FILING DATE: 2000-03-01  
 ; PRIOR APPLICATION NUMBER: 09/572,002  
 ; PRIOR FILING DATE: 2000-05-14  
 ; PRIOR APPLICATION NUMBER: 09/597,993  
 ; PRIOR FILING DATE: 2000-06-19  
 ; PRIOR APPLICATION NUMBER: 09/599,596  
 ; PRIOR FILING DATE: 2000-06-22  
 ; PRIOR APPLICATION NUMBER: 09/630,334  
 ; PRIOR FILING DATE: 2000-07-31

Db 1201 AGATATCTGCTACCTTCTGTAATAGTAGAGCTGGGAGATGAATGTGCGAAACCCACAA 1260  
 QY 1261 GCCTGTGTTTATPACTAGAGTTACGGCCTTGGCGGACTGGATTAATTTCAAAAATCTGTAT 1320  
 Db 1261 GCCTGTGTTTATPACTAGAGTTACGGCCTTGGCGGACTGGATTAATTTCAAAAATCTGTAT 1320  
 QY 1321 CTAAGAGAGAAAAGCCTCATGGAACAGATAAACAATTTTTTTTCTGTTTGGGTGCGAGG 1380  
 Db 1321 CTAAGAGAGAAAAGCCTCATGGAACAGATAAACAATTTTTTTTCTGTTTGGGTGCGAGG 1380  
 QY 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTTGCAAAAACAGCTAGATTTGACTGATCTC 1440  
 Db 1381 CCATTTTATAGATACAGAAATTTGGAAGAAGCTTTGCAAAAACAGCTAGATTTGACTGATCTC 1440  
 QY 1441 AATAAACTGTTTCTGTTGATGCAAAAAAAA 1471  
 Db 1441 AATAAACTGTTTCTGTTGATGCAAAAAAAA 1471



TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P2830P1C1  
CURRENT APPLICATION NUMBER: US/09/946,374  
CURRENT FILING DATE: 2001-09-04  
PRIOR APPLICATION NUMBER: 60/098716  
PRIOR FILING DATE: 1998-09-01  
PRIOR APPLICATION NUMBER: 60/098723  
PRIOR FILING DATE: 1998-09-01  
PRIOR APPLICATION NUMBER: 60/098749  
PRIOR FILING DATE: 1998-09-01  
PRIOR APPLICATION NUMBER: 60/098750  
PRIOR FILING DATE: 1998-09-01  
PRIOR APPLICATION NUMBER: 60/098803  
PRIOR FILING DATE: 1998-09-02  
PRIOR APPLICATION NUMBER: 60/098821  
PRIOR FILING DATE: 1998-09-02  
PRIOR APPLICATION NUMBER: 60/098843  
PRIOR FILING DATE: 1998-09-02  
PRIOR APPLICATION NUMBER: 60/099536  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099596  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099598  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099602  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099642  
PRIOR FILING DATE: 1998-09-09  
PRIOR APPLICATION NUMBER: 60/099741  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099754  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099763  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099792  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099808  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099812  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099815  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/099816  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/100385  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100388  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100390  
PRIOR FILING DATE: 1998-09-15  
PRIOR APPLICATION NUMBER: 60/100584  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100627  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100661  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100662  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100664  
PRIOR FILING DATE: 1998-09-16  
PRIOR APPLICATION NUMBER: 60/100683  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/100684  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/100710  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/100711  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/100848  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100849  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/100919  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/100930  
PRIOR FILING DATE: 1998-09-17  
PRIOR APPLICATION NUMBER: 60/101014  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/101068  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/101071  
PRIOR FILING DATE: 1998-09-18  
PRIOR APPLICATION NUMBER: 60/101279  
PRIOR FILING DATE: 1998-09-22  
PRIOR APPLICATION NUMBER: 60/101471  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101472  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101474  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101475  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101476  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101477  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101479  
PRIOR FILING DATE: 1998-09-23  
PRIOR APPLICATION NUMBER: 60/101738  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101741  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101743  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101915  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/101916  
PRIOR FILING DATE: 1998-09-24  
PRIOR APPLICATION NUMBER: 60/102207  
PRIOR FILING DATE: 1998-09-29  
PRIOR APPLICATION NUMBER: 60/102240  
PRIOR FILING DATE: 1998-09-29  
PRIOR APPLICATION NUMBER: 60/102307  
PRIOR FILING DATE: 1998-09-29  
PRIOR APPLICATION NUMBER: 60/102330  
PRIOR FILING DATE: 1998-09-29  
PRIOR APPLICATION NUMBER: 60/102331  
PRIOR FILING DATE: 1998-09-29  
PRIOR APPLICATION NUMBER: 60/102484  
PRIOR FILING DATE: 1998-09-30  
PRIOR APPLICATION NUMBER: 60/102487  
PRIOR FILING DATE: 1998-09-30  
PRIOR APPLICATION NUMBER: 60/102570  
PRIOR FILING DATE: 1998-09-30  
PRIOR APPLICATION NUMBER: 60/102571  
PRIOR FILING DATE: 1998-09-30  
PRIOR APPLICATION NUMBER: 60/102684  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 60/102687  
PRIOR FILING DATE: 1998-10-01  
PRIOR APPLICATION NUMBER: 60/102965  
PRIOR FILING DATE: 1998-10-02  
PRIOR APPLICATION NUMBER: 60/103258  
PRIOR FILING DATE: 1998-10-06  
PRIOR APPLICATION NUMBER: 60/103314  
PRIOR FILING DATE: 1998-10-07  
PRIOR APPLICATION NUMBER: 60/103315  
PRIOR FILING DATE: 1998-10-07  
PRIOR APPLICATION NUMBER: 60/103328  
PRIOR FILING DATE: 1998-10-07  
PRIOR APPLICATION NUMBER: 60/103395  
PRIOR FILING DATE: 1998-10-07  
PRIOR APPLICATION NUMBER: 60/103396  
PRIOR FILING DATE: 1998-10-07  
PRIOR APPLICATION NUMBER: 60/103401  
PRIOR FILING DATE: 1998-10-07

Prior Filing Date: 1998-10-07  
Prior Application Number: 60/103449  
Prior Filing Date: 1998-10-06  
Prior Application Number: 60/103633  
Prior Filing Date: 1998-10-08  
Prior Application Number: 60/103678  
Prior Filing Date: 1998-10-08  
Prior Application Number: 60/103679  
Prior Filing Date: 1998-10-08  
Prior Application Number: 60/103711  
Prior Filing Date: 1998-10-08  
Prior Application Number: 60/104257  
Prior Filing Date: 1998-10-14  
Prior Application Number: 60/104987  
Prior Filing Date: 1998-10-20  
Prior Application Number: 60/105000  
Prior Filing Date: 1998-10-20  
Prior Application Number: 60/105002  
Prior Filing Date: 1998-10-20  
Prior Application Number: 60/105104  
Prior Filing Date: 1998-10-21  
Prior Application Number: 60/105169  
Prior Filing Date: 1998-10-22  
Prior Application Number: 60/105266  
Prior Filing Date: 1998-10-22  
Prior Application Number: 60/105693  
Prior Filing Date: 1998-10-26  
Prior Application Number: 60/105694  
Prior Filing Date: 1998-10-26  
Prior Application Number: 60/105807

Query Match 97.9%; Score 1439.4; DB 10; Length 2103;  
Best Local Similarity 99.3%; Pred. No. 0;  
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

268  
Y5  
SKA 10 #3  
BAC X6C

22 CCTTCCAGGACCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGGGC 81  
1 CCTTCCAGGACCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGGGC 60  
82 TAGGAAAGAGTTGTTGGGAACTCGGGTATCGGGCTCGTCACTTCAATATCCCTGAT 141  
61 TAGGAAAGAGTTGTTGGGAACTCGGGTATCGGGCTCGTCACTTCAATATCCCTGAT 120  
142 TGTCTCGGAGTGTGATCGGACCTCGGTTATCGGGCTCGTCACTTCAATATCCCTGAT 201  
121 TGTCTCGGAGTGTGATCGGACCTCGGTTATCGGGCTCGTCACTTCAATATCCCTGAT 180  
202 CTCAATTAATAGCATTGTTGCAATTTACAACTGACAACTATATGCTGAGTTGGCAG 261  
181 CTCAATTAATAGCATTGTTGCAATTTACAACTGACAACTATATGCTGAGTTGGCAG 240  
262 AGAGGCTTCAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAATGC 321  
241 AGAGGCTTCAACAAATTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAATGC 300  
322 ATTATTAATATCTCCATTAAGGGAAGAAATGTCAGTCTCAGGTTATCAAGTTCACTCA 381  
301 ATTATTAATATCTCCATTAAGGGAAGAAATGTCAGTCTCAGGTTATCAAGTTCACTCA 360  
382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTCACTCTACTGAGGA 441  
361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTAGATTTCACTCTACTGAGGA 420  
442 TCCTGAACTGATGATTAATTTGTTCACTGTTTATCAATGAAAGCTGCAAGTGTCTGT 501  
421 TCCTGAACTGATGATTAATTTGTTCACTGTTTATCAATGAAAGCTGCAAGTGTCTGT 480  
502 AGGACCCCTTAAGTAGATCTCACTCAGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 561  
481 AGGACCCCTTAAGTAGATCTCACTCAGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 540  
562 AGACAGCTATCTAAACCATTTGCTCGGGAACGAGGAAGTAAATCTTAGTCTAGTCTCT 621

Db 541 AGACAGCTATCTAAACCATTTGCTCGGGAACAGGAAGTAAATCTTAGGTCTAGAGTCT 600  
Qy 622 CAGGATCGTTGGTGGGACAGAGTGAAGAGGGTGAATGGCCCTGGAGGGTGGAGTCTCA 681  
Db 601 CAGGATCGTTGGTGGGACAGAGTGAAGAGGGTGAATGGCCCTGGAGGGTGGAGTCTCA 660  
Qy 682 GTGGGATGGGAGTCACTCGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC 741  
Db 661 GTGGGATGGGAGTCACTCGCTGGGAGCAACCTTAATTAATGCAATGCTGTTGAGTGC 720  
Qy 742 TGCTCACTGTTTAAACAATTAAGAACCCCTGCCAGATGGAGTGTCTCTTTGGAGTAAAC 801  
Db 721 TGCTCACTGTTTAAACAATTAAGAACCCCTGCCAGATGGAGTGTCTCTTTGGAGTAAAC 780  
Qy 802 AATAAACCCTTCGAAATGAACCGGGTCTCGGAGTAATTTGTCCTGCAATGAAATACAA 861  
Db 781 AATAAACCCTTCGAAATGAACCGGGTCTCGGAGTAATTTGTCCTGCAATGAAATACAA 840  
Qy 862 ACACCCATCACATGACTATGATATTTCTTTCAGAGCTTTTCTAGCCCTGTTCCCTACAC 921  
Db 841 ACACCCATCACATGACTATGATATTTCTTTCAGAGCTTTTCTAGCCCTGTTCCCTACAC 900  
Qy 922 AATGCACTACATGAGTTGTTGCTCCCTGATGATGCTTATGAGTTTCAACCGAGTGTAT 981  
Db 901 AATGCACTACATGAGTTGTTGCTCCCTGATGATGCTTATGAGTTTCAACCGAGTGTAT 960  
Qy 982 GATGTTGTGACAGGATTTGGAGCACTGAAATGATGTTTACAGTCAAAATCATCTTCG 1041  
Db 961 GATGTTGTGACAGGATTTGGAGCACTGAAATGATGTTTACAGTCAAAATCATCTTCG 1020  
Qy 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTTACAATGA 1101  
Db 1021 ACAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTTACAATGA 1080  
Qy 1102 CGCCATAACTCTTAGAATGTTATGCTGCTGCTCCCTTAGAGGAAACAGATGCTAGTCCA 1161  
Db 1081 CGCCATAACTCTTAGAATGTTATGCTGCTGCTCCCTTAGAGGAAACAGATGCTAGTCCA 1140  
Qy 1162 GGTGACTCTGAGGACCACTGTTAGTTAGTTCAGATGCTAGATATCTGTTACCTTCTGCTG 1221  
Db 1141 GGTGACTCTGAGGACCACTGTTAGTTAGTTCAGATGCTAGATATCTGTTACCTTCTGCTG 1200  
Qy 1222 AATAGTGAGTGGGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTGTTTATAGAGT 1281  
Db 1201 AATAGTGAGTGGGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTGTTTATAGAGT 1260  
Qy 1282 TAGCGCTTGGGGAAGTGGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1341  
Db 1261 TAGCGCTTGGGGAAGTGGATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1320  
Qy 1342 GAACAGATAACATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1401  
Db 1321 GAACAGATAACATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1380  
Qy 1402 TGGAGAGAGTCTCAAAACAGCTGATGTTGATGTTCTCAATAACTGTTGTTGTTGTTGTTGTT 1461  
Db 1381 TGGAGAGAGTCTCAAAACAGCTGATGTTGATGTTCTCAATAACTGTTGTTGTTGTTGTTGTT 1440  
Qy 1462 A 1462  
Db 1441 A 1441

RESULT 5  
US-10-015-395A-268  
; Sequence 268, Application US/10015395A  
; Publication No. US20040073015A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Botstein, David  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Baton, Dan I.  
; APPLICANT: Ferrara, Napoleone



APPLICANT: Fong, Sherman	742	TGCTCACTGTTTACAAATATAAGAACCCCTCCAGATGGACTGCTTCTTTGGAGTAAC	801	
APPLICANT: Gao, Wei-Qiang	Db	721	TGCTCACTGTTTACAAATATAAGAACCCCTCCAGATGGACTGCTTCTTTGGAGTAAC	780
APPLICANT: Goddard, Audrey	Qy	802	AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGATAATATGTCATGAAATAACAA	861
APPLICANT: Godowski, Paul J.	Db	781	AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGATAATATGTCATGAAATAACAA	840
APPLICANT: Grimaldi, Christopher J.	Qy	862	ACACCCATCACATGACTATGATATTTCTCTGAGAGCTTTCTAGCCCTGTTCCCTACAC	921
APPLICANT: Gurney, Austin L.	Db	841	ACACCCATCACATGACTATGATATTTCTCTGAGAGCTTTCTAGCCCTGTTCCCTACAC	900
APPLICANT: Hillan, Kenneth J.	Qy	922	AAATGAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTCAACAGGTGATGT	981
APPLICANT: Pan, James	Db	901	AAATGAGTACATAGAGTTTGTCTCCCTGATGCATCCTATGAGTTTCAACAGGTGATGT	960
APPLICANT: Paoni, Nicholas F.	Qy	982	GATGTTTGTGACAGGATTTGGAGCACTGAAAATGATGTTTACAGTCAAAATCATCTTCG	1041
APPLICANT: Secreted and Transmembrane Polypeptides and Nucleic	Db	961	GATGTTTGTGACAGGATTTGGAGCACTGAAAATGATGTTTACAGTCAAAATCATCTTCG	1020
TITLE OF INVENTION: Acids Encoding the Same	Qy	1042	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACCTCAAGCTTACAAATGA	1101
FILE REFERENCE: P2830PLC57	Db	1021	ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACCTCAAGCTTACAAATGA	1080
CURRENT APPLICATION NUMBER: US/10/015,395A	Qy	1102	CGCCATAACTCCTAGAAATGTTATGTGCTGCTCCTTAGAAGGAAAAACAGATGCATGCCA	1161
CURRENT FILING DATE: 2001-12-12	Db	1081	CGCCATAACTCCTAGAAATGTTATGTGCTGCTCCTTAGAAGGAAAAACAGATGCATGCCA	1140
Prior application removed - See file Wrapper or Palm	Qy	1162	GGGTGACTCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG	1221
NUMBER OF SEQ ID NOS: 477	Db	1141	GGGTGACTCTGGAGGACCACTGGTTAGTTTACAGATGCTAGAGATATCTGGTACCTTGTCTG	1200
SEQ ID NO 268	Qy	1222	AATAGTGAGCTGGGAGATGAATGTGCGAAACCCCAAGCCCTGGTGTATATCTAGAGT	1281
LENGTH: 2103	Db	1201	AATAGTGAGCTGGGAGATGAATGTGCGAAACCCCAAGCCCTGGTGTATATCTAGAGT	1260
TYPE: DNA	Qy	1282	TAGCGCCTTCGGGACTGGATTAATCTTCAAAAACCTGGTATCTAGAGAGAAAAGCCTCATG	1341
ORGANISM: Homo sapiens	Db	1261	TAGCGCCTTCGGGACTGGATTAATCTTCAAAAACCTGGTATCTAGAGAGAAAAGCCTCATG	1320
US-10-015-395A-268	Qy	1342	GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTGGTGGAGGCCATTTTAGAGATACAGAT	1401
Query Match 97.9%; Score 1439.4; DB 12; Length 2103;	Db	1321	GAACAGATAACATTTTTTTTTTTTTTTTTTTTTTTTTGGTGGAGGCCATTTTAGAGATACAGAT	1380
Best Local Similarity 99.9%; Pred. No. 0;	Qy	1402	TGGAGAGAGCTTGCAAAACAGCTAGATTTGATCTCAATAAAGCTTTTGTGTTGATGC	1461
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	Db	1381	TGGAGAGAGCTTGCAAAACAGCTAGATTTGATCTCAATAAAGCTTTTGTGTTGATGC	1440
Qy 22 CTTTCAGAGACTCTTCATTTGCTGGTGGCAATGATGATATCGGCCAGATGTTGGAGGC	Db	1462	A 1462	
Db 1 CTTTCAGAGACTCTTCATTTGCTGGTGGCAATGATGATATCGGCCAGATGTTGGAGGC	Qy	1441	A 1441	
Qy 82 TAGGAAAGAGTTTGTGGGAACCTCGGTTATCGGCTCGTCACTTCATATCCCTGAT	Db			
Db 61 TAGGAAAGAGTTTGTGGGAACCTCGGTTATCGGCTCGTCACTTCATATCCCTGAT	Qy			
Qy 142 TGTCTCGGAGTGTGCATTCGACTCAGTCTCACTGTTCAATATGTGAGATATAATCAAAAGAGAC	Db			
Db 121 TGTCTCGGAGTGTGCATTCGACTCAGTCTCACTGTTCAATATGTGAGATATAATCAAAAGAGAC	Qy			
Qy 202 CTACAAATATATAGCAATTTGATTTTACAACTGACAACTATATGCTGAGTTGGCAG	Db			
Db 181 CTACAAATATATAGCAATTTGATTTTACAACTGACAACTATATGCTGAGTTGGCAG	Qy			
Qy 262 AGAGGCTTCACAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC	Db			
Db 241 AGAGGCTTCACAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC	Qy			
Qy 322 ATTTTATAAACTCTCCATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA	Db			
Db 301 ATTTTATAAACTCTCCATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA	Qy			
Qy 382 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGATATTTCACTCTCTCTGAGGA	Db			
Db 361 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGATATTTCACTCTCTCTGAGGA	Qy			
Qy 442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTTCATGAAAAAGCTGCAAGATGCTGT	Db			
Db 421 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTTCATGAAAAAGCTGCAAGATGCTGT	Qy			
Qy 502 AGGACCCCTAAAGTAGATCCCTCACTCAGTTTAAATTTAAAAAATCAACAGACAGAAAC	Db			
Db 481 AGGACCCCTAAAGTAGATCCCTCACTCAGTTTAAATTTAAAAAATCAACAGACAGAAAC	Qy			
Qy 562 AGAGAGTATCAAAACCATTTGCTGGGAACAGAGAGTAAATCTAGAGTTCAGAGTCT	Db			
Db 541 AGAGAGTATCAAAACCATTTGCTGGGAACAGAGAGTAAATCTAGAGTTCAGAGTCT	Qy			
Qy 622 CAGGATCGTTGTTGGGACAGAGTAGAAGAGGCTGAATGGCCCTGGCAGCTAGCTGCA	Db			
Db 601 CAGGATCGTTGTTGGGACAGAGTAGAAGAGGCTGAATGGCCCTGGCAGCTAGCTGCA	Qy			
Qy 682 GTGGATGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGCAATGCTTGTGAGTGC	Db			
Db 661 GTGGATGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGCAATGCTTGTGAGTGC	Qy			

RESULT 6

US-10-206-915-319

; Sequence 319, Application US/10206915

; Publication No. US20040029221A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C513

RESULT 6  
US-10-206-915-319  
; Sequence 319, Application US/10206915  
; Publication No. US20040029221A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430RIC513



; CURRENT APPLICATION NUMBER: US/10/206,915  
; CURRENT FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 319  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-206-915-319

Query Match 97.9%; Score 1439.4; DB 13; Length 2103;  
Best Local Similarity 99.9%; Pred No. 0;  
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 22 CCTTCACAGGACTCTTCATTCGTTGGCAATGATGATCGGCCAGATGTGGTGGAGGC 81  
DB 1 CCTTCACAGGACTCTTCATTCGTTGGCAATGATGATCGGCCAGATGTGGTGGAGGC 60  
QY 82 TAGGAAAGAGTTTCTGGGACCTGGTTATCGGCTCGTCATCTTCATATCCTCAT 141  
DB 61 TAGGAAAGAGTTTCTGGGACCTGGTTATCGGCTCGTCATCTTCATATCCTCAT 120  
QY 142 TGCTCGGAGTGTGCATTGGACTCACTGTTTCATTTATGTGATATATCAAAAGAGAC 201  
DB 121 TGCTCGGAGTGTGCATTGGACTCACTGTTTCATTTATGTGATATATCAAAAGAGAC 180  
QY 202 CTACAAATCTATAGACATTTGTCAATTAACAACTATATGCTGAGTTGGAGC 261  
DB 181 CTACAAATCTATAGACATTTGTCAATTAACAACTATATGCTGAGTTGGAGC 240  
QY 262 AGAGGCTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAATGC 321  
DB 241 AGAGGCTCTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTCAAAATGC 300  
QY 322 ATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTCAGTCA 381  
DB 301 ATTTTATAATCTCCATTAAGGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTCAGTCA 360  
QY 382 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 441  
DB 361 ACAGAGCATGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTCTACTGAGGA 420  
QY 442 TCTGAAACTGTAGATAAAATTTTCAACTGTTTTCATGAAAGCTCAAGATGCTGT 501  
DB 421 TCTGAAACTGTAGATAAAATTTTCAACTGTTTTCATGAAAGCTCAAGATGCTGT 480  
QY 502 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTAATAATCAACAGCAGAAAC 561  
DB 481 AGGACCCCTAAAGTAGATCTCTCACTCAGTTAAATTAATAATCAACAGCAGAAAC 540  
QY 562 AGACAGCTATCTAAACATGCTGCGGACACAGCAAGTAAACTCTAGGTCAGATCT 521  
DB 541 AGACAGCTATCTAAACATGCTGCGGACACAGCAAGTAAACTCTAGGTCAGATCT 600

QY 622 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGCGCCCTGGCAGGCTAGCCTGCA 681  
DB 601 CAGGATCGTTGGTGGGACAGAGTAGAAGAGGGTGAATGCGCCCTGGCAGGCTAGCCTGCA 660  
QY 682 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGCCACATGCTTGTGAGTGC 741  
DB 661 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTAATTAATGCCACATGCTTGTGAGTGC 720  
QY 742 TGCTCACTGTTTACACATATAAGAACCTCGCCAGATGAGTGTCTTCCCTTTGGAGTAAC 801  
DB 721 TGCTCACTGTTTACACATATAAGAACCTCGCCAGATGAGTGTCTTCCCTTTGGAGTAAC 780  
QY 802 AATAAAACCTTCGAAATGAACGGGTCTCCGGAGAAATAATTGCTCCATGAAATAACAA 861  
DB 781 AATAAAACCTTCGAAATGAACGGGTCTCCGGAGAAATAATTGCTCCATGAAATAACAA 840  
QY 862 ACACCCATCATGACTATGATATTTCTTTGAGAGCTTTCTAGCCCTGTTCCTTACAC 921  
DB 841 ACACCCATCATGACTATGATATTTCTTTGAGAGCTTTCTAGCCCTGTTCCTTACAC 900  
QY 922 AATGCAAGTACATAGAGTTTGTCTCCCTGATGATCCCTATGAGTTTCAACCCAGTGATGT 981  
DB 901 AATGCAAGTACATAGAGTTTGTCTCCCTGATGATCCCTATGAGTTTCAACCCAGTGATGT 960  
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTTACAGTCAAAATCATCTTCG 1041  
DB 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGGTTTACAGTCAAAATCATCTTCG 1020  
QY 1042 ACAAGCAAGGTGACTCTCTATAGACGCTCAACTTGGCAATGAACCTCAAGCTTACATGA 1101  
DB 1021 ACAAGCAAGGTGACTCTCTATAGACGCTCAACTTGGCAATGAACCTCAAGCTTACATGA 1080  
QY 1102 CGCCATAACTCCTAGAAATGTTATGCTGGTGGCTCTTGAAGAGAAAAACAGATGATGCCA 1161  
DB 1081 CGCCATAACTCCTAGAAATGTTATGCTGGTGGCTCTTGAAGAGAAAAACAGATGATGCCA 1140  
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1221  
DB 1141 GGGTGACTCTGGAGGACCACTGGTTAGTTTCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1200  
QY 1222 AATGAGTGGGAGAGATGAATGTGGAAAAACCAAGCCCTGGTGTGTATCTAGAGT 1281  
DB 1201 AATGAGTGGGAGAGATGAATGTGGAAAAACCAAGCCCTGGTGTGTATCTAGAGT 1260  
QY 1282 TAGGSCCTTTGGGAGCTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1341  
DB 1261 TAGGSCCTTTGGGAGCTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAAGCCTCATG 1320  
QY 1342 GAACAGATAACATTTTTTTTTTTTTTTGGGTGGAGGCCATTTTATAGAGATACAGAAAT 1401  
DB 1321 GAACAGATAACATTTTTTTTTTTTTTTGGGTGGAGGCCATTTTATAGAGATACAGAAAT 1380  
QY 1402 TGGAGAGACTTGCNAACAGCTAGATTTGATCTCAATAAAGCTTTTGTCTGTATGTC 1461  
DB 1381 TGGAGAGACTTGCNAACAGCTAGATTTGATCTCAATAAAGCTTTTGTCTGTATGTC 1440  
QY 1462 A 1462  
DB 1441 A 1441

RESULT 7  
US-10-199-670-319  
; Sequence 319, Application US/10199670  
; Publication No. US20040033560A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.



```
Publication No.: US2004003837A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zhen
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P3430R1C464
CURRENT APPLICATION NUMBER: US/10/201,858
CURRENT FILING DATE: 2002-07-23
PRIORITY APPLICATION NUMBER: 10/052586
PRIORITY FILING DATE: 2002-01-15
PRIORITY APPLICATION NUMBER: 60/059263
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/059266
PRIORITY FILING DATE: 1997-09-18
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/063120
PRIORITY FILING DATE: 1997-10-24
PRIORITY APPLICATION NUMBER: 60/063121
PRIORITY FILING DATE: 1997-10-24
PRIORITY APPLICATION NUMBER: 60/063486
PRIORITY FILING DATE: 1997-10-21
PRIORITY APPLICATION NUMBER: 60/063540
PRIORITY FILING DATE: 1997-10-28
PRIORITY APPLICATION NUMBER: 60/063541
PRIORITY FILING DATE: 1997-10-28
PRIORITY APPLICATION NUMBER: 60/063544
PRIORITY FILING DATE: 1997-10-28
Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 319
LENGTH: 2103
TYPE: DNA
ORGANISM: Homo Sapien
US-10-201-858-319

Query Match      97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      22  COTTACAGGACTCTTCATTGCTGTTGGCAATGATGATCGGCCAGAGTGTGGTGAGGC 81
DB      1  CTTTACAGGACTCTTCATTGCTGTTGGCAATGATGATCGGCCAGAGTGTGGTGAGGC 60

QY      82  TAGGAAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCTCGTCATCTTCATATCCCTGAT 141
DB      61  TAGGAAAAGAGTTTGTGGGAACCCCTGGGTTATCGGCCTCGTCATCTTCATATCCCTGAT 120

QY      142  TGTCTGGCAGTGTCGATTTGGATCTACTCTTCATTATGTGAGATATATCAAAAAGAGAC 201
DB      121  TGTCTGGCAGTGTCGATTTGGATCTACTCTTCATTATGTGAGATATATCAAAAAGAGAC 180

QY      202  CTACAAATTAATAGCAGATCTGCAATTTACAACTGACAACTATATGCTGAGTTGGCAG 261
DB      181  CTACAAATTAATAGCAGATCTGCAATTTACAACTGACAACTATATGCTGAGTTGGCAG 240

QY      262  AGAGGCTTCTAACAAATTTTACGAAATGAGCCAGAGACTTGAATCAATGGTGAAATAATGC 321
DB      241  AGAGGCTTCTAACAAATTTTACGAAATGAGCCAGAGACTTGAATCAATGGTGAAATAATGC 300

QY      322  ATTTTATAATCTCCAAATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 381
DB      301  ATTTTATAATCTCCAAATTAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 360
```

```
QY      382  ACAGAGCATGGAGTCTTGCTCATATGCTGTTGATTGTTAGATTTTCACTCTACTGAGGA 441
DB      361  ACAGAGCATGGAGTCTTGCTCATATGCTGTTGATTGATTGATTTTCACTCTACTGAGGA 420

QY      442  TCCTGAAAACGTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAAGCTGCAAGATGCTGT 501
DB      421  TCCTGAAAACGTGTAGATAAAATTTGTTCAACTGTTGTTTACATGAAAAGCTGCAAGATGCTGT 480

QY      502  AGGACCCCTTAAAGTAGATCTCTCAGTCTTAAATTTAAATAATCAACAGACAGAAAC 561
DB      481  AGGACCCCTTAAAGTAGATCTCTCAGTCTTAAATTTAAATAATCAACAGACAGAAAC 540

QY      562  AGACAGCTATCTAAACCATTTGCTGCGGAAACACGAAAGAGTAAATCTTAGCTCAGAGTCT 621
DB      541  AGACAGCTATCTAAACCATTTGCTGCGGAAACACGAAAGAGTAAATCTTAGCTCAGAGTCT 600

QY      622  CAGGATCGTTGGTGGGACAGAAATAGAAAGGAGTGAATGGCCCTGGCAGGCTAGCCTGCA 681
DB      601  CAGGATCGTTGGTGGGACAGAAATAGAAAGGAGTGAATGGCCCTGGCAGGCTAGCCTGCA 660

QY      682  GTGGATGGAGTCACTGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTGTGAGTGC 741
DB      661  GTGGATGGAGTCACTGCTGTGGAGCAACCTTAATTAATGCCACATGGCTTGTGAGTGC 720

QY      742  TGCTCACTGTTTACAAACATATAAGAACCTTGCAGATGGAGTCTTCTCTTTGGAGTAAC 801
DB      721  TGCTCACTGTTTACAAACATATAAGAACCTTGCAGATGGAGTCTTCTCTTTGGAGTAAC 780

QY      802  AATAAAACCTTCGAAAATGAAACGGGCTCCCGAGAAATTAATGTCATGAAAATAACAA 861
DB      781  AATAAAACCTTCGAAAATGAAACGGGCTCCCGAGAAATTAATGTCATGAAAATAACAA 840

QY      862  ACACCCATCAGTCACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTTCCCTACAC 921
DB      841  ACACCCATCAGTCACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTTCCCTACAC 900

QY      922  AATGTCAGTACATAGAGTTTGTCTCCCTGATGCACTCTATGAGTTTCAACCCAGTGATGT 981
DB      901  AATGTCAGTACATAGAGTTTGTCTCCCTGATGCACTCTATGAGTTTCAACCCAGTGATGT 960

QY      982  GATGTTGTGACAGGATTTGGAGCACTGAAAATATGATGGTTTACAGTCAAAATCATCTTCG 1041
DB      961  GATGTTGTGACAGGATTTGGAGCACTGAAAATATGATGGTTTACAGTCAAAATCATCTTCG 1020

QY      1042  ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTCAATGA 1101
DB      1021  ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTCAATGA 1080

QY      1102  CGCCATAACTCTTAGAATGTTATGTGTGGCTCCTTAAAGAGGAAAACAGATGATGCCA 1161
DB      1081  CGCCATAACTCTTAGAATGTTATGTGTGGCTCCTTAAAGAGGAAAACAGATGATGCCA 1140

QY      1162  GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGCTGG 1221
DB      1141  GGGTGACTCTGGAGGACCACTGGTTAGTTCAGATGCTAGAGATATCTGGTACCTTGCTGG 1200

QY      1222  AATAGTGAGCTGGGAGAGATGAATGTGCAAAACCCAAAGCCTGGTGTGTTTATCTAGAGT 1281
DB      1201  AATAGTGAGCTGGGAGAGATGAATGTGCAAAACCCAAAGCCTGGTGTGTTTATCTAGAGT 1260

QY      1282  TACGGCCTTGGGGAGCTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG 1341
DB      1261  TACGGCCTTGGGGAGCTGGATTTACTTCAAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG 1320

QY      1342  GAAAGATAAACATTTTTTTTTTTTGGTGTGGAGGCCATTTTAAAGATACAGAGAT 1401
DB      1321  GAAAGATAAACATTTTTTTTTTTTGGTGTGGAGGCCATTTTAAAGATACAGAGAT 1380

QY      1402  TGGAGAGACTTGGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTGCTTGATGC 1461
DB      1381  TGGAGAGACTTGGCAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTGCTTGATGC 1440
```

QY 1462 A 1462  
Db 1441 A 1441

## RESULT 9

US-10-205-890-319  
; Sequence 319, Application US/10205890  
; Publication No. US20040048334A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; TITLE OF INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C519  
; CURRENT APPLICATION NUMBER: US/10/205,890  
; PRIORITY FILING DATE: 2002-07-26  
; PRIOR APPLICATION NUMBER: 10/052586  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059266  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/062250  
; PRIOR FILING DATE: 1997-10-17  
; PRIOR APPLICATION NUMBER: 60/063120  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063121  
; PRIOR FILING DATE: 1997-10-24  
; PRIOR APPLICATION NUMBER: 60/063486  
; PRIOR FILING DATE: 1997-10-21  
; PRIOR APPLICATION NUMBER: 60/063540  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063541  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION NUMBER: 60/063544  
; PRIOR FILING DATE: 1997-10-28  
; PRIOR APPLICATION data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 319  
; LENGTH: 2103  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
US-10-205-890-319  
Query Match 97.9%; Score 1439.4; DB 13; Length 2103;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 22 CCTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 81  
Db 1 CCTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGTGGTGAGGGC 60  
QY 82 TAGGAAAGAGTTTCTGGGACCTCGGTTATCGGCTCGTCATCTTCATATCCCTCAT 141  
Db 61 TAGGAAAGAGTTTCTGGGACCTCGGTTATCGGCTCGTCATCTTCATATCCCTCAT 120  
QY 142 TGCTCGGAGTGTCATTGGACTCACTGTTTCATTATGTGATATATCAAAAGAGAC 201  
Db 121 TGCTCGGAGTGTCATTGGACTCACTGTTTCATTATGTGATATATCAAAAGAGAC 180  
QY 202 CTACAATTACTATAGCACATTCCTATTTACAACTGACAAACTATATGCTGAGTTGGCAG 261  
Db 181 CTACAATTACTATAGCACATTCCTATTTACAACTGACAAACTATATGCTGAGTTGGCAG 240

QY 262 AGAGGCTTCTTAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321  
Db AGAGGCTTCTTAAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300  
QY 322 ATTTTATAAATCTCCATTAAAGGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTCACTCA 381  
Db ATTTTATAAATCTCCATTAAAGGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTCACTCA 360  
QY 382 ACAGAAAGCATGGAGTGTGGCTCATATGCTGTTGATTGTTAGATTTTCACTCTACTCAGGA 441  
Db ACAGAAAGCATGGAGTGTGGCTCATATGCTGTTGATTGTTAGATTTTCACTCTACTCAGGA 420  
QY 442 TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTTCATGATGAAAGCTGCAAGATGCTGT 501  
Db TCCTGAAACTGTAGATAAAATTTGTTCAACTGTTTTCATGATGAAAGCTGCAAGATGCTGT 480  
QY 502 AGGACCCCTTAAAGTAGATCCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 561  
Db AGGACCCCTTAAAGTAGATCCCTCACTCAGTTAAATTTAAATAATCAACAGACAGAAAC 540  
QY 562 AGACAGCTATCTTAAACCATTTGTCGGAACACAGAGAGTAAACTCTAGGTCAGAGTCT 621  
Db AGACAGCTATCTTAAACCATTTGTCGGAACACAGAGAGTAAACTCTAGGTCAGAGTCT 600  
QY 622 CAGGATCGTTGGTGGACAGAACTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 681  
Db CAGGATCGTTGGTGGACAGAACTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCCCTGCA 660  
QY 682 GTGGATGGGAGTCATCGCTGTGGAGCAACTTAAATTAATGCCACATGGCTTGTGAGTGC 741  
Db GTGGATGGGAGTCATCGCTGTGGAGCAACTTAAATTAATGCCACATGGCTTGTGAGTGC 720  
QY 742 TGCTCACTGTTTACACACATATAGAACCTGCGCAGATGACGTCTCTTTGGAGTAAC 801  
Db TGCTCACTGTTTACACACATATAGAACCTGCGCAGATGACGTCTCTTTGGAGTAAC 780  
QY 802 AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAGATAATTTGTCATGAAATAATCAA 861  
Db AATAAAACCTTCGAAATGAAACGGGCTCTCCGAGAGATAATTTGTCATGAAATAATCAA 840  
QY 862 ACACCCATCATGACTATGATATTTCTCTTGAGAGACTTTCTAGCCCTGTTCCCTACAC 921  
Db ACACCCATCATGACTATGATATTTCTCTTGAGAGACTTTCTAGCCCTGTTCCCTACAC 900  
QY 922 AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGAGTATGT 981  
Db AATGTCAGTACATAGAGTTTGTCTCCCTGATGATCCTATGAGTTTCAACAGAGTATGT 960  
QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTACAGTCAAAATCATCTTCG 1041  
Db GATGTTTGTGACAGGATTTGGAGCACTGAAATAATGATGGTTACAGTCAAAATCATCTTCG 1020  
QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGAATGAACTCAAGCTTCAATGA 1101  
Db ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGAATGAACTCAAGCTTCAATGA 1080  
QY 1102 CGCCATAACTCCTAGATGTTTATGCTGCTGCTTCTTAGAGAGGAAACAGATGATGCCA 1161  
Db CGCCATAACTCCTAGATGTTTATGCTGCTGCTTCTTAGAGAGGAAACAGATGATGCCA 1140  
QY 1162 GGGTGACTCTGGAGGACCACTGGTTAGTTTCAAGATGCTAGAGATATCTGGTACCTTGTCTG 1221  
Db GGGTGACTCTGGAGGACCACTGGTTAGTTTCAAGATGCTAGAGATATCTGGTACCTTGTCTG 1200  
QY 1222 AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAAGCCTGGTGTATATCTAGAGT 1281  
Db AATAGTGAGCTGGGAGATGAATGTGGAAACCCAAAGCCTGGTGTATATCTAGAGT 1260  
QY 1282 TACGSCCTTGGGAGCTGGAATTTACTTCAAAACTGGTATCTAAGAGAGAGAAAGCCTCATG 1341  
Db TACGSCCTTGGGAGCTGGAATTTACTTCAAAACTGGTATCTAAGAGAGAGAAAGCCTCATG 1320

```
QY 1342 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTATAGATACAGAA 1401
Db 1321 GAACAGATAACATTTTTTTTTTTTTTTTTTTTTGGGTGGAGGCCATTTTATAGATACAGAA 1380
QY 1402 TGGAGAAGACTTGGAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGGCTTGATGC 1461
Db 1391 TGGAGAAGACTTGGAAAAACAGCTAGATTTGACTGATCTCAATAAACTGTTTGGCTTGATGC 1440
QY 1462 A 1462
Db 1441 A 1441

RESULT 10
US-10-208-024-319
; Sequence 319, Application US/10208024
; Publication No. US20040048335A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C538
; CURRENT APPLICATION NUMBER: US/10/208, 024
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 319
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-208-024-319

Query Match 97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 22 CCTTCACAGACTCTTCATTTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGGGC 81
Db 1 CCTTCACAGACTCTTCATTTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGGGC 60
QY 82 TAGGAAAAGAGTTTGTGGAAACCTGGGGTATCGGCTCGTCAATCTTCAATATCCCTGAT 141
Db 61 TAGGAAAAGAGTTTGTGGAAACCTGGGGTATCGGCTCGTCAATCTTCAATATCCCTGAT 120
```

```
QY 142 TGTCTCGCAGTGTGCATTTGCACTCACTGTTTCAATTATGTGAGATATATCAAAAAGAGAC 201
Db 121 TGTCTCGCAGTGTGCATTTGCACTCACTGTTTCAATTATGTGAGATATATCAAAAAGAGAC 180
QY 202 CTACAAATTAATATAGCATTGTCTATTTACAACTGACAAACTATATGCTGATTTGGCAG 261
Db 181 CTACAAATTAATATAGCATTGTCTATTTACAACTGACAAACTATATGCTGATTTGGCAG 240
QY 262 AGAGGCTTTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAATGTC 321
Db 241 AGAGGCTTTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAATGTC 300
QY 322 ATTTTATAAATCTCCATTTAAGGGAGAAATTTGTCAAGTCTCAGGTTCATCAAGTTTCAGTCA 381
Db 301 ATTTTATAAATCTCCATTTAAGGGAGAAATTTGTCAAGTCTCAGGTTCATCAAGTTTCAGTCA 360
QY 382 ACAGAAGCATGGAGTGTGGCTCATATGCTCTGATTGTTAGATTTCACTCTACTGAGGA 441
Db 361 ACAGAAGCATGGAGTGTGGCTCATATGCTCTGATTGTTAGATTTCACTCTACTGAGGA 420
QY 442 TCCTGAAACTGTAGATAAAATTTTCAACTTTTACATGAAAGCTGCAAGTGTCTGT 501
Db 421 TCCTGAAACTGTAGATAAAATTTTCAACTTTTACATGAAAGCTGCAAGTGTCTGT 480
QY 502 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTTAAATTTAAAAAATCAACAAGACAGAAAC 561
Db 481 AGGACCCCTTAAAGTAGATCTCTCACTCAGTTTAAATTTAAAAAATCAACAAGACAGAAAC 540
QY 562 AGACAGCTATCTAAACCAATTTGCTGGGAAACGGAAGAGTAAACTCTAGTTCAGTCT 621
Db 541 AGACAGCTATCTAAACCAATTTGCTGGGAAACGGAAGAGTAAACTCTAGTTCAGTCT 600
QY 622 CAGGATCGTGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGTAGCCTGCA 681
Db 601 CAGGATCGTGTGGGACAGAGTAGAAGAGGGTGAATGGCCCTGGCAGGTAGCCTGCA 660
QY 682 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTTAATTAATGCAATGCTTGTGAGTGC 741
Db 661 GTGGATGGGAGTCACTCGCTGTGGAGCAACCTTTAATTAATGCAATGCTTGTGAGTGC 720
QY 742 TGCTCACTGTTTAAACAATATAGAAACCTGCGCAGATGGAGTGTCTCTTTGGAGTAAAC 801
Db 721 TGCTCACTGTTTAAACAATATAGAAACCTGCGCAGATGGAGTGTCTCTTTGGAGTAAAC 780
QY 802 AATAAAACCTTCGAAATGMAACGGGGTCTCCGGAGAAATTAATTTCCATGAAAAATACAA 861
Db 781 AATAAAACCTTCGAAATGMAACGGGGTCTCCGGAGAAATTAATTTCCATGAAAAATACAA 840
QY 862 ACACCCATCACATGACTATGATATTTCTTTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 921
Db 841 ACACCCATCACATGACTATGATATTTCTTTGACAGAGCTTTCTAGCCCTGTTCCCTACAC 900
QY 922 AAATGAGTACATAGATTTGTCTCCCTGATGATGATGATGATGATGATGATGATGATGATG 981
Db 901 AAATGAGTACATAGATTTGTCTCCCTGATGATGATGATGATGATGATGATGATGATGATG 960
QY 982 GATGTTTGTGACAGAGTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041
Db 961 GATGTTTGTGACAGAGTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020
QY 1042 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTACATGA 1101
Db 1021 ACAAGCACAGGTGACTCTCATAGACGCTACAACTTGCATGAACTCAAGCTTACATGA 1080
QY 1102 CGCCATACTCTAGAAATGTTATGCTGGCTCTTAGAAGGAAAAAGAGATGATGCCA 1161
Db 1081 CGCCATACTCTAGAAATGTTATGCTGGCTCTTAGAAGGAAAAAGAGATGATGCCA 1140
QY 1162 GGGTCACTCTGAGAGCACTGCTGTTAGTTCAGATGCTAGAGATATCTGCTACCTTCTGG 1221
Db 1141 GGGTCACTCTGAGAGCACTGCTGTTAGTTCAGATGCTAGAGATATCTGCTACCTTCTGG 1200
```

QY	1222	AATAGTGGCTGGGAGATGAATGTCGAAACCCCAAGCCCTGGTGTATTAAGT	1281
Db	1201	AATAGTGGCTGGGAGATGAATGTCGAAACCCCAAGCCCTGGTGTATTAAGT	1260
QY	1282	TAGGCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG	1341
Db	1261	TAGGCTTGGGAGCTGGATTAATCTCAAAACCTGGTATCTAAGAGAGAAAAGCCTCATG	1320
QY	1342	GAACAGATAACATTTTTTTTTTTTTTTGGTGTGGAGGCGATTTTAGAGATACAGAA	1401
Db	1321	GAACAGATAACATTTTTTTTTTTTTTTGGTGTGGAGGCGATTTTAGAGATACAGAA	1380
QY	1402	TGGAGAGACTTGAACACAGCTAGATTTGACTGATCTCAATAAAGCTTTTGGTGTATGC	1461
Db	1381	TGGAGAGACTTGAACACAGCTAGATTTGACTGATCTCAATAAAGCTTTTGGTGTATGC	1440
QY	1462	A 1462	
Db	1441	A 1441	
RESULT 11			
US-10-201-853-319			
; Sequence 319, Application US/10201853			
; Publication No. US20040053358A1			
; GENERAL INFORMATION:			
; APPLICANT: Baker, Kevin P.			
; APPLICANT: Chen, Jian			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Pan, James			
; APPLICANT: Smith, Victoria			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Wood, William I.			
; APPLICANT: Zhang, Zemin			
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC			
; FILE REFERENCE: P3430R1C465			
; CURRENT APPLICATION NUMBER: US/10/201,853			
; PRIOR FILING DATE: 2002-07-23			
; PRIOR APPLICATION NUMBER: 10/052586			
; PRIOR FILING DATE: 2002-01-15			
; PRIOR APPLICATION NUMBER: 60/059263			
; PRIOR FILING DATE: 1997-09-18			
; PRIOR APPLICATION NUMBER: 60/059266			
; PRIOR FILING DATE: 1997-09-18			
; PRIOR APPLICATION NUMBER: 60/062250			
; PRIOR FILING DATE: 1997-10-17			
; PRIOR APPLICATION NUMBER: 60/063120			
; PRIOR FILING DATE: 1997-10-24			
; PRIOR APPLICATION NUMBER: 60/063121			
; PRIOR FILING DATE: 1997-10-24			
; PRIOR APPLICATION NUMBER: 60/063486			
; PRIOR FILING DATE: 1997-10-21			
; PRIOR APPLICATION NUMBER: 60/063540			
; PRIOR FILING DATE: 1997-10-28			
; PRIOR APPLICATION NUMBER: 60/063541			
; PRIOR FILING DATE: 1997-10-28			
; PRIOR APPLICATION NUMBER: 60/063544			
; PRIOR FILING DATE: 1997-10-28			
; Prior Application data removed - See File Wrapper or PALM.			
; NUMBER OF SEQ ID NOS: 612			
; SEQ ID NO 319			
; LENGTH: 2103			
; TYPE: DNA			
; ORGANISM: Homo Sapien			
US-10-201-853-319			
Query Match 97.9%; Score 1439.4; DB 13; Length 2103;			
Best Local Similarity 99.9%; Pred. No. 0;			
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			



Qy	1102	CGCATAACTCCTAGATGTTATGCTGCTGCTCCTTAGAAGGAAAAACAGATGATGCCA	1161	Db	181	CTACATTAATAAGACATTTGTCATTTACAACTGACAAACTATATGCTGAGTTTGGCAG	240
Db	1081	CGCCATAACTCCTAGATGTTATGCTGCTGCTCCTTAGAAGGAAAAACAGATGATGCCA	1140	Qy	262	AGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGCTGAAAAATGC	321
Qy	1162	GGGTGACTCTGGAGGACCACTGGTGTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG	1221	Db	241	AGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGCTGAAAAATGC	300
Db	1141	GGGTGACTCTGGAGGACCACTGGTGTAGTTAGATGCTAGAGATATCTGGTACCTTGTCTGG	1200	Qy	322	ATTTTATAAATCTCATTAAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA	381
Qy	1222	AATAGTGAAGCTGGGAGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTATTAATAGAT	1281	Db	301	ATTTTATAAATCTCATTAAAGGGAAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCACTCA	360
Db	1201	AATAGTGAAGCTGGGAGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTATTAATAGAT	1260	Qy	382	ACAGAGCATATGGAGTGTGGCTCATATGCTGTGATTTGATTTGTAGATTTCACTCTACTGAGGA	441
Qy	1282	TACGGCCTTGGGAGCTGGATTAATCTCAAAACTGGTATCTAAGAGAGAAAAGCTCATG	1341	Db	361	ACAGAGCATATGGAGTGTGGCTCATATGCTGTGATTTGATTTGTAGATTTCACTCTACTGAGGA	420
Db	1261	TACGGCCTTGGGAGCTGGATTAATCTCAAAACTGGTATCTAAGAGAGAAAAGCTCATG	1320	Qy	442	TCCTGAAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAAGCTGCAAGATGCTGT	501
Qy	1342	GAAACAGATAACATTTTTTTTTTTTGGTGTGGAGGCCATTTTATAGATACAGAAAT	1401	Db	421	TCCTGAAACTGTAGATAAATTTGTTCAACTTTGTTTACATGAAAGCTGCAAGATGCTGT	480
Db	1321	GAAACAGATAACATTTTTTTTTTTTGGTGTGGAGGCCATTTTATAGATACAGAAAT	1380	Qy	502	AGGACCCCTTAAAGTAGATCTCACTCAGTTTAAATTTAAATAATCAACAGACAGAAAC	561
Qy	1402	TGGAGAACTTGCAGAAACAGCTAGATTTGACTGATCTCAATTAACCTGTTGCTGTATGC	1461	Db	481	AGGACCCCTTAAAGTAGATCTCACTCAGTTTAAATTTAAATAATCAACAGACAGAAAC	540
Db	1381	TGGAGAACTTGCAGAAACAGCTAGATTTGACTGATCTCAATTAACCTGTTGCTGTATGC	1440	Qy	562	AGACAGCTATCTAAACCATTTGCTCGGAAACAGAGAGTAAACTCTAGTCTAGTCTAGTCT	621
Qy	1462	A 1462		Db	541	AGACAGCTATCTAAACCATTTGCTCGGAAACAGAGAGTAAACTCTAGTCTAGTCTAGTCT	600
Db	1441	A 1441		Qy	622	CAGGATCGTTGCTGGACAGAAAGTAGAGAGGGTGAATGGCCCTGGCAGAGCTAGCCTGCA	681
RESULT 12							
US-10-063-745-105							
; Sequence 105, Application US/10063745							
; Publication No. US20040058411A1							
; GENERAL INFORMATION:							
; APPLICANT: Eaton, Dan L.							
; APPLICANT: Filvaroff, Ellen							
; APPLICANT: Gerritsen, Mary E.							
; APPLICANT: Goddard, Audrey							
; APPLICANT: Godowski, Paul J.							
; APPLICANT: Grimaldi, Christopher J.							
; APPLICANT: Gurney, Austin L.							
; APPLICANT: Watanabe, Colin K.							
; APPLICANT: Wood, William I.							
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC							
; TITLE OF INVENTION: ACIDS ENCODING THE SAME							
; FILE REFERENCE: P3230R1C1							
; CURRENT APPLICATION NUMBER: US/10/063,745							
; CURRENT FILING DATE: 2002-05-09							
; Prior Application removed - See Palm or File Wrapper							
; NUMBER OF SEQ ID NOS: 170							
; SEQ ID NO 105							
; LENGTH: 2103							
; TYPE: DNA							
; ORGANISM: Homo Sapien							
US-10-063-745-105							
Query Match							
Best local Similarity 97.9%; Score 1439.4; DB 13; Length 2103;							
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;							
Qy	22	CCTTCACAGGACCTTCATTTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGAGGC	81	Db	1042	ACAAGCACAAGGTGACTCTCTCATAGACGCTCAACACTTGCATGAACTTCAAGCTTCAATGA	1080
Db	1	CCTTCACAGGACCTTCATTTGCTGGTGGCAATGATGTATCGGCCAGATGTGGTGGAGGC	60	Qy	1102	CGCCATAACTCTAGAAATGTTATGCTGCTGCTCCTTAGAAGGAAAAACAGATGCAATGCA	1161
Qy	82	TAGAAAAGAGTTTGTGGGAACCTGGGTATCGGCTCGTATCTTCAATATCCCTGAT	141	Db	1081	CGCCATAACTCTAGAAATGTTATGCTGCTGCTCCTTAGAAGGAAAAACAGATGCAATGCA	1140
Db	61	TAGAAAAGAGTTTGTGGGAACCTGGGTATCGGCTCGTATCTTCAATATCCCTGAT	120	Qy	1162	GGGTGACTCTGGAGGACCACTGGTGTAGTTTCAATGCTAGAGATATCTGTTACTTGTCTGG	1221
Qy	142	TGTCCTGGAGTGTGCAATGGACTCACTGTTTCAATTTGATGATATTAATCAAGAAGAGAC	201	Db	1141	GGGTGACTCTGGAGGACCACTGGTGTAGTTTCAATGCTAGAGATATCTGTTACTTGTCTGG	1200
Db	121	TGTCCTGGAGTGTGCAATGGACTCACTGTTTCAATTTGATGATATTAATCAAGAAGAGAC	180	Qy	1222	AATAGTGAAGCTGGGAGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTATTAATAGAT	1281
Qy	202	CTACAATTACTATAGCATTGTGCTATTTACAACTGACAAACTATATGCTGAGTTTGGCAG	261	Db	1201	AATAGTGAAGCTGGGAGAGATGAATGTGCGAAACCCCAACAGCCCTGGTGTATTAATAGAT	1260

Db	1261	TACGGCTTGGGACTGGATTACTTCAAAAAGTGTATCTAAGAGCAAAAAGCCTCATG	1320
Qy	1342	GAACAGATAACATTTTTTTTTTGGGTGTGGAGCCATTTTATAGAGATACAGAAAT	1401
Db	1321	GAACAGATAACATTTTTTTTTTGGGTGTGGAGCCATTTTATAGAGATACAGAAAT	1380
Qy	1402	TGGAGAAGACTTGCAGAAAGCTAGATTTGACTGATCTCAATATAAATGTTTCTTCATGC	1461
Db	1381	TGGAGAAGACTTGCAGAAAGCTAGATTTGACTGATCTCAATATAAATGTTTCTTCATGC	1440
Qy	1462	A 1462	
Db	1441	A 1441	
RESULT 13			
US-10-063-512-105			
; Sequence 105, Application US/10063512			
; Publication No. US20030018183A1			
; GENERAL INFORMATION:			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, Christopher J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Wood, William I.			
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC			
; FILE REFERENCE: P3230R1C1			
; CURRENT APPLICATION NUMBER: US/10/063,512			
; CURRENT FILING DATE: 2002-05-01			
; Prior Application removed - See File Wrapper or Palm			
; NUMBER OF SEQ ID NOS: 170			
; SEQ ID NO 105			
; TYPE: DNA			
; ORGANISM: Homo Sapien			
US-10-063-512-105			
Query Match 97.9%; Score 1439.4; DB 13; Length 2103;			
Best Local Similarity 99.9%; Pred. No. 0;			
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;			
Qy	22	CCTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGGTGGAGGC	81
Db	1	CCTTCACAGGACTCTTCATTGCTGGTGGCAATGATGATCGGCCAGATGGTGGAGGC	60
Qy	82	TAGGAAAAGAGTTGTTGGGAACCTGGGTTATCGGCTCGTCATCTTCATATCCCTGAT	141
Db	61	TAGGAAAAGAGTTGTTGGGAACCTGGGTTATCGGCTCGTCATCTTCATATCCCTGAT	120
Qy	142	TGCTCTGGCAGTGTGATTGGACTCACTGTCATTATGTGAGATATAATCAAAAGAGAC	201
Db	121	TGCTCTGGCAGTGTGATTGGACTCACTGTCATTATGTGAGATATAATCAAAAGAGAC	180
Qy	202	CTACAATTAATAGACATTTGTCATTACAACTGACAACTATATGCTGAGTTGGCAG	261
Db	181	CTACAATTAATAGACATTTGTCATTACAACTGACAACTATATGCTGAGTTGGCAG	240
Qy	262	AGAGGCTTCAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	321
Db	241	AGAGGCTTCTAAACATTTTACAGAAATGAGCCAGAGACTTGAATCAATGTTGAAAATGC	300
Qy	322	ATTTTATAATCTCCATTAAAGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTTCAGTCA	381
Db	301	ATTTTATAATCTCCATTAAAGGAAGAAATTTGTCAGTCTCAGGTTATCAAGTTTCAGTCA	360
Qy	382	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATTTGATTTTCACTCTACTGAGGA	441
Db	361	ACAGAAGCATGGAGTGTGGCTCATATGCTGTTGATTTGATTTTCACTCTACTGAGGA	420



```

RESULT 15
US-10-063-549-105
; Sequence 105, Application US/10063549
; Publication No. US20030027986A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerriksen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.

```

```

; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 105
; LENGTH: 2103
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-063-549-105

Query Match      97.9%; Score 1439.4; DB 13; Length 2103;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1440; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 22 CCTTCACAGGACTCTTCATTTGCTGGTGGCAATGATGTCGGCCAGATGTGGTGGGGC 81
Db 1 CCTTCACAGGACTCTTCATTTGCTGGTGGCAATGATGTCGGCCAGATGTGGTGGGGC 60

QY 82 TAGGAAAGAGTTTGTGGGAACCCCTGGTTATCGGCTCGTCATCTTCATATCCCTGAT 141
Db 61 TAGGAAAGAGTTTGTGGGAACCCCTGGTTATCGGCTCGTCATCTTCATATCCCTGAT 120

QY 142 TGCTCGCAGTGTGCATTTGAGCTGACTGCTGTTTCAATTTGTGAGATATATCAAAAGAGAC 201
Db 121 TGCTCGCAGTGTGCATTTGAGCTGACTGCTGTTTCAATTTGTGAGATATATCAAAAGAGAC 180

QY 202 CTCAATTTACATAGCATTGTCTATTTTCACTGACAACTATATGCTGATTTGGCAG 261
Db 181 CTCAATTTACATAGCATTGTCTATTTTCACTGACAACTATATGCTGATTTGGCAG 240

QY 262 AGAGGCTTTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 321
Db 241 AGAGGCTTTTAAACAATTTTACAGAAATGAGCCAGAGACTTGAATCAATGGTGAATAATGC 300

QY 322 ATTTTATAAATCTCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 381
Db 301 ATTTTATAAATCTCAATTAAGGAGAAATTTGTCAAGTCTCAGGTTATCAAGTTCAGTCA 360

QY 382 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTTACTTGAGGA 441
Db 361 ACAGAGCATGGAGTGTGGCTCATATGCTGTTGATTTGTAGATTTCACTTACTTGAGGA 420

QY 442 TCCTGAAACTGTGAGATAAATTTGTTCACTTGTGTTTACATGAAAAGCTGCAAGATGCTGT 501
Db 421 TCCTGAAACTGTGAGATAAATTTGTTCACTTGTGTTTACATGAAAAGCTGCAAGATGCTGT 480

QY 502 AGGACCCCTTAAAGTAGATCCCTCACTCAGTTAAATTAATAAATAAATAAATAAATAAATA 561
Db 481 AGGACCCCTTAAAGTAGATCCCTCACTCAGTTAAATTAATAAATAAATAAATAAATAAATA 540

QY 562 AGACAGCTATCTAAACCATTTGCTGGGAAACACGGAAGAGTAAATCTTAGGTGAGTCT 621
Db 541 AGACAGCTATCTAAACCATTTGCTGGGAAACACGGAAGAGTAAATCTTAGGTGAGTCT 600

QY 622 CAGGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA 681
Db 601 CAGGATCGTTGGTGGGACAGAGTAGAGAGGGTGAATGGCCCTGGCAGGCTAGCTGCA 660

QY 682 GTGGGATGGAGTCATCGCTGTGGGCAACCTTAAATTAATGCCACATGCTGTTGAGTGC 741
Db 661 GTGGGATGGAGTCATCGCTGTGGGCAACCTTAAATTAATGCCACATGCTGTTGAGTGC 720

QY 742 TGCTCACTGTTTACAACTATATAAGAACCCCTGCCAGATGGACTGCTTCTTCTTGGAGTAAC 801
Db 721 TGCTCACTGTTTACAACTATATAAGAACCCCTGCCAGATGGACTGCTTCTTCTTGGAGTAAC 780

QY 802 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATTAATTTGTCATGAAATAACAA 861
Db 781 AATAAAACCTTCGAAATGAAACGGGGTCTCCGGAGAAATTAATTTGTCATGAAATAACAA 840
```

```

QY 862 ACACCCATCACATGACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTTCCCTACAC 921
Db 841 ACACCCATCACATGACTATGATATTTCTCTTGAGAGCTTTCTAGCCCTGTTCCCTACAC 900

QY 922 AATGCAATACATAGAGTTTGTCTCCCTGATGATCCTATGATGTTTCAACCAAGTGTATGT 981
Db 901 AATGCAATACATAGAGTTTGTCTCCCTGATGATCCTATGATGTTTCAACCAAGTGTATGT 960

QY 982 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1041
Db 961 GATGTTTGTGACAGGATTTGGAGCACTGAAAAATGATGTTTACAGTCAAAATCATCTTCG 1020

QY 1042 ACAAGCACAGGTGACTCTCTCATAGACGCTACAACTTGAATGAACTTCAAGCTTACAAATGA 1101
Db 1021 ACAAGCACAGGTGACTCTCTCATAGACGCTACAACTTGAATGAACTTCAAGCTTACAAATGA 1080

QY 1102 CGCCATAAATCTCTAGATGTTTGTCTGCTCTCTTAGAGGAAACACAGATGCATGCCA 1161
Db 1081 CGCCATAAATCTCTAGATGTTTGTCTGCTCTCTTAGAGGAAACACAGATGCATGCCA 1140

QY 1162 GGGTGAATCTGGAGGACCACTGGTTAGTTTCCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1221
Db 1141 GGGTGAATCTGGAGGACCACTGGTTAGTTTCCAGATGCTAGAGATATCTGGTACCTTGTCTGG 1200

QY 1222 AATAGTGAGCTGGGGAGATGAATGTGGAAAACCCAAACAGCCCTGGTGTATATCTAGAT 1281
Db 1201 AATAGTGAGCTGGGGAGATGAATGTGGAAAACCCAAACAGCCCTGGTGTATATCTAGAT 1260

QY 1282 TACGGCTTGGGGAGCTGGATTAATCTCAAAACTGGTATCTAAGAGAGAAAAGCTCATG 1341
Db 1261 TACGGCTTGGGGAGCTGGATTAATCTCAAAACTGGTATCTAAGAGAGAAAAGCTCATG 1320

QY 1342 GAAACAGATAAATTTTTTTTTTTTTTTTTTTGGGTGTGGAGGCCAATTTTATAGAGATACAGAT 1401
Db 1321 GAAACAGATAAATTTTTTTTTTTTTTTTTTTGGGTGTGGAGGCCAATTTTATAGAGATACAGAT 1380

QY 1402 TGGAGAAAGACTTGCAAAACAGCTAGATTTGATCTCATATAAATCTGTTTGTGATGC 1461
Db 1381 TGGAGAAAGACTTGCAAAACAGCTAGATTTGATCTCATATAAATCTGTTTGTGATGC 1440

QY 1462 A 1462
Db 1441 A 1441
```

Search completed: May 16, 2004, 05:31:28  
Job time : 664.5 secs